

## SUCO 0531 ELECTRONIC PRESSURE SWITCH

053125230B008  
PNP output (High Side), NC, 0-250 Bar, M10x1 zyl. DIN  
3852-A, Deutsch DT04-4P



- One Switching Output
- Stainless Steel & Titanium Wetted Parts
- Silicon-On-Sapphire Technology
- Factory Set



### PRODUCT DESCRIPTION

The SUCO 0541 is a compact, high-performance electronic pressure switch engineered with dual PNP outputs, both configured as normally closed. Encased in a durable hex-22 stainless-steel and titanium-wetted housing, it utilises Silicon-on-Sapphire (SoS) sensor technology to deliver precision and long-term stability, while offering high overpressure protection up to 4× the rated pressure. Available in pressure ranges spanning 0–10 bar to 0–600 bar, the 0541 switch supports switching currents up to 500 mA and responds rapidly under demanding conditions with pressure change rates reaching 5,000 bar/s. Factory-set switching points and hysteresis (0.2–99.8 % FS) ensure reliable performance, with a sealed welded design eliminating elastomer seals and meeting IP67 and industrial EMC standards.

The 0541 excels in harsh hydraulic and pneumatic environments, such as construction machinery, mobile hydraulic systems, off-road vehicles, and industrial automation, where compact size, durable construction, and reliable switching under dynamic pressures are essential. Its dual NC PNP outputs allow for redundant or staged switching logic in safety circuits or PLC-controlled systems, ideal for overpressure alarms, machine shutdowns, or interlock functions. The fast response time, high resistance to pressure peaks, and welded sensor design make it particularly suitable for vibration-heavy or wash-down settings. Furthermore, the availability of diverse process threads and electrical connectors ensures seamless integration into OEM systems requiring rugged, precise, and dependable pressure monitoring.

## TECHNICAL DATA

### GENERAL DATA

|                       |                 |
|-----------------------|-----------------|
| Adjustment range max  | 250 bar         |
| Adjustment range min  | 0 bar           |
| Electrical connection | Deutsch DT04-4P |
| Process connection    | M10x1           |
| Function              | Normally Closed |
| Output                | PNP             |
| Burst pressure        | 2000 bar        |
| Pressure max          | 1000 bar        |

TEMPERATURE & MATERIALS DATA

|                           |                                  |
|---------------------------|----------------------------------|
| Temperature of media from | -40 °C                           |
| Temperature of media to   | 125 °C                           |
| Temperature ambient from  | -40 °C                           |
| Temperature ambient to    | 100 °C                           |
| Material of body          | Stainless steel 1.4305           |
| Material of wetted parts  | Stainless steel 1.4305, Titanium |

ADDITIONAL DATA

|                                  |                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------|
| Supply voltage dc max            | 32 V DC                                                                            |
| Supply voltage dc min            | 9.6 V DC                                                                           |
| Pressure rise                    | ≤ 5,000 bar/s                                                                      |
| Switching time                   | < 2 ms                                                                             |
| Switching point adjustment range | 2 ... 100 % of the nominal pressure range Full Scale (FS), programmable at factory |
| Weight                           | 80 g                                                                               |

SAFETY & APPROVALS

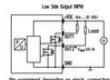
|                            |                                                                           |
|----------------------------|---------------------------------------------------------------------------|
| IP class                   | IP67, IP6K9K                                                              |
| Hysteresis                 | 2..99.8% of nominal pressure range (full scale), programmable at factory  |
| Shock resistance           | 500m / s²; 11 ms half sine wave; DIN EN 60068-2-27                        |
| Vibration resistance       | 20g; 4..2000 Hz sine wave, DIN EN 60068-2-6                               |
| EMC                        | EMC 2014/30/EU, EN 61000-6-2:2005, EN 61000-6-3:2007                      |
| Accuracy                   | ±0.5 % of adjustment range (Full scale) at room temperature               |
| Long term stability        | ±0.1 % of adjustment range (full scale) per year                          |
| Mechanical life expectancy | 10,000,000 switching cycles at rise rates to 5,000 bar/s nominal pressure |
| Repeatability              | ±0.1 % full scale                                                         |



### Connection diagrams



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\*2012 only for this.

Technical modifications and errors excepted.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                      |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
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| <p><b>EN 17530-803-A</b></p> <p>Pin Assignment</p> <table> <tr><td>1</td><td>Chd</td></tr> <tr><td>2</td><td>Chd</td></tr> <tr><td>3</td><td>Chd</td></tr> <tr><td>4</td><td>Chd</td></tr> <tr><td>5</td><td>Chd</td></tr> <tr><td>6</td><td>Chd</td></tr> <tr><td>7</td><td>Chd</td></tr> <tr><td>8</td><td>Chd</td></tr> <tr><td>9</td><td>Chd</td></tr> <tr><td>10</td><td>Chd</td></tr> <tr><td>11</td><td>Chd</td></tr> <tr><td>12</td><td>Chd</td></tr> <tr><td>13</td><td>Chd</td></tr> <tr><td>14</td><td>Chd</td></tr> <tr><td>15</td><td>Chd</td></tr> <tr><td>16</td><td>Chd</td></tr> </table> <p>ISO 15116</p> <p>• 65.7 mm (2.6")<br/> • 12.7 mm (0.5")<br/> Order number: 001</p> <p>* without single socket = 15 mm, with single socket = 15 mm</p> | 1                                                    | Chd                                                  | 2                                                    | Chd | 3 | Chd | 4 | Chd | 5 | Chd | 6 | Chd | 7 | Chd | 8 | Chd | 9 | Chd | 10 | Chd | 11 | Chd | 12 | Chd | 13 | Chd | 14 | Chd | 15 | Chd | 16 | Chd | <p><b>M 12 120 EN 41306-2 011 A</b></p> <p>Pin Assignment</p> <table> <tr><td>1</td><td>Chd</td></tr> <tr><td>2</td><td>Chd</td></tr> <tr><td>3</td><td>Chd</td></tr> <tr><td>4</td><td>Chd</td></tr> <tr><td>5</td><td>Chd</td></tr> <tr><td>6</td><td>Chd</td></tr> <tr><td>7</td><td>Chd</td></tr> <tr><td>8</td><td>Chd</td></tr> <tr><td>9</td><td>Chd</td></tr> <tr><td>10</td><td>Chd</td></tr> <tr><td>11</td><td>Chd</td></tr> <tr><td>12</td><td>Chd</td></tr> <tr><td>13</td><td>Chd</td></tr> <tr><td>14</td><td>Chd</td></tr> <tr><td>15</td><td>Chd</td></tr> <tr><td>16</td><td>Chd</td></tr> </table> <p>ISO 15116</p> <p>• 65.7 mm (2.6")<br/> • 12.7 mm (0.5")<br/> Order number: 002</p> | 1 | Chd | 2 | Chd | 3 | Chd | 4 | Chd | 5 | Chd | 6 | Chd | 7 | Chd | 8 | Chd | 9 | Chd | 10 | Chd | 11 | Chd | 12 | Chd | 13 | Chd | 14 | Chd | 15 | Chd | 16 | Chd | <p><b>ISO 15116-01-A-1</b></p> <p>Pin Assignment</p> <table> <tr><td>1</td><td>Chd</td></tr> <tr><td>2</td><td>Chd</td></tr> <tr><td>3</td><td>Chd</td></tr> <tr><td>4</td><td>Chd</td></tr> <tr><td>5</td><td>Chd</td></tr> <tr><td>6</td><td>Chd</td></tr> <tr><td>7</td><td>Chd</td></tr> <tr><td>8</td><td>Chd</td></tr> <tr><td>9</td><td>Chd</td></tr> <tr><td>10</td><td>Chd</td></tr> <tr><td>11</td><td>Chd</td></tr> <tr><td>12</td><td>Chd</td></tr> <tr><td>13</td><td>Chd</td></tr> <tr><td>14</td><td>Chd</td></tr> <tr><td>15</td><td>Chd</td></tr> <tr><td>16</td><td>Chd</td></tr> </table> <p>ISO 15116</p> <p>• 65.7 mm (2.6")<br/> • 12.7 mm (0.5")<br/> Order number: 004</p> | 1 | Chd | 2 | Chd | 3 | Chd | 4 | Chd | 5 | Chd | 6 | Chd | 7 | Chd | 8 | Chd | 9 | Chd | 10 | Chd | 11 | Chd | 12 | Chd | 13 | Chd | 14 | Chd | 15 | Chd | 16 | Chd | <p><b>AMP Supersal</b></p> <p>Pin Assignment</p> <table> <tr><td>1</td><td>Chd</td></tr> <tr><td>2</td><td>Chd</td></tr> <tr><td>3</td><td>Chd</td></tr> <tr><td>4</td><td>Chd</td></tr> <tr><td>5</td><td>Chd</td></tr> <tr><td>6</td><td>Chd</td></tr> <tr><td>7</td><td>Chd</td></tr> <tr><td>8</td><td>Chd</td></tr> <tr><td>9</td><td>Chd</td></tr> <tr><td>10</td><td>Chd</td></tr> <tr><td>11</td><td>Chd</td></tr> <tr><td>12</td><td>Chd</td></tr> <tr><td>13</td><td>Chd</td></tr> <tr><td>14</td><td>Chd</td></tr> <tr><td>15</td><td>Chd</td></tr> <tr><td>16</td><td>Chd</td></tr> </table> <p>ISO 15116</p> <p>• 65.7 mm (2.6")<br/> • 12.7 mm (0.5")<br/> Order number: 007</p> | 1 | Chd | 2 | Chd | 3 | Chd | 4 | Chd | 5 | Chd | 6 | Chd | 7 | Chd | 8 | Chd | 9 | Chd | 10 | Chd | 11 | Chd | 12 | Chd | 13 | Chd | 14 | Chd | 15 | Chd | 16 | Chd |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
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| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
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| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
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| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
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| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
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| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
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| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| <p><b>DEUTSCH 2704-4P</b></p> <p>Pin Assignment</p> <table> <tr><td>1</td><td>Chd</td></tr> <tr><td>2</td><td>Chd</td></tr> <tr><td>3</td><td>Chd</td></tr> <tr><td>4</td><td>Chd</td></tr> <tr><td>5</td><td>Chd</td></tr> <tr><td>6</td><td>Chd</td></tr> <tr><td>7</td><td>Chd</td></tr> <tr><td>8</td><td>Chd</td></tr> <tr><td>9</td><td>Chd</td></tr> <tr><td>10</td><td>Chd</td></tr> <tr><td>11</td><td>Chd</td></tr> <tr><td>12</td><td>Chd</td></tr> <tr><td>13</td><td>Chd</td></tr> <tr><td>14</td><td>Chd</td></tr> <tr><td>15</td><td>Chd</td></tr> <tr><td>16</td><td>Chd</td></tr> </table> <p>ISO 15116</p> <p>• 65.7 mm (2.6")<br/> • 12.7 mm (0.5")<br/> Order number: 008</p>                                                                   | 1                                                    | Chd                                                  | 2                                                    | Chd | 3 | Chd | 4 | Chd | 5 | Chd | 6 | Chd | 7 | Chd | 8 | Chd | 9 | Chd | 10 | Chd | 11 | Chd | 12 | Chd | 13 | Chd | 14 | Chd | 15 | Chd | 16 | Chd | <p><b>DEUTSCH 0704-3P</b></p> <p>Pin Assignment</p> <table> <tr><td>1</td><td>Chd</td></tr> <tr><td>2</td><td>Chd</td></tr> <tr><td>3</td><td>Chd</td></tr> <tr><td>4</td><td>Chd</td></tr> <tr><td>5</td><td>Chd</td></tr> <tr><td>6</td><td>Chd</td></tr> <tr><td>7</td><td>Chd</td></tr> <tr><td>8</td><td>Chd</td></tr> <tr><td>9</td><td>Chd</td></tr> <tr><td>10</td><td>Chd</td></tr> <tr><td>11</td><td>Chd</td></tr> <tr><td>12</td><td>Chd</td></tr> <tr><td>13</td><td>Chd</td></tr> <tr><td>14</td><td>Chd</td></tr> <tr><td>15</td><td>Chd</td></tr> <tr><td>16</td><td>Chd</td></tr> </table> <p>ISO 15116</p> <p>• 65.7 mm (2.6")<br/> • 12.7 mm (0.5")<br/> Order number: 010</p>           | 1 | Chd | 2 | Chd | 3 | Chd | 4 | Chd | 5 | Chd | 6 | Chd | 7 | Chd | 8 | Chd | 9 | Chd | 10 | Chd | 11 | Chd | 12 | Chd | 13 | Chd | 14 | Chd | 15 | Chd | 16 | Chd | <p><b>Cable connection</b></p> <p>Pin Assignment</p> <table> <tr><td>1</td><td>Chd</td></tr> <tr><td>2</td><td>Chd</td></tr> <tr><td>3</td><td>Chd</td></tr> <tr><td>4</td><td>Chd</td></tr> <tr><td>5</td><td>Chd</td></tr> <tr><td>6</td><td>Chd</td></tr> <tr><td>7</td><td>Chd</td></tr> <tr><td>8</td><td>Chd</td></tr> <tr><td>9</td><td>Chd</td></tr> <tr><td>10</td><td>Chd</td></tr> <tr><td>11</td><td>Chd</td></tr> <tr><td>12</td><td>Chd</td></tr> <tr><td>13</td><td>Chd</td></tr> <tr><td>14</td><td>Chd</td></tr> <tr><td>15</td><td>Chd</td></tr> <tr><td>16</td><td>Chd</td></tr> </table> <p>ISO 15116</p> <p>• 65.7 mm (2.6")<br/> • 12.7 mm (0.5")<br/> Order number: 011</p> | 1 | Chd | 2 | Chd | 3 | Chd | 4 | Chd | 5 | Chd | 6 | Chd | 7 | Chd | 8 | Chd | 9 | Chd | 10 | Chd | 11 | Chd | 12 | Chd | 13 | Chd | 14 | Chd | 15 | Chd | 16 | Chd |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
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| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
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| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
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| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chd                                                  |                                                      |                                                      |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| <p><b>EN 15116-01-A-1</b></p> <p>Thread code: 41</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p><b>EN 15116-01-A-1</b></p> <p>Thread code: 03</p> | <p><b>EN 15116-01-A-1</b></p> <p>Thread code: 04</p> | <p><b>EN 15116-01-A-1</b></p> <p>Thread code: 09</p> |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| <p><b>EN 15116-01-A-1</b></p> <p>Thread code: 05</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p><b>EN 15116-01-A-1</b></p> <p>Thread code: 20</p> | <p><b>EN 15116-01-A-1</b></p> <p>Thread code: 21</p> | <p><b>EN 15116-01-A-1</b></p> <p>Thread code: 22</p> |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |