

STL 950 WITH LONG SOLDERING LUG

13154.1

STL 950/5.08/2GL 2P VERT ZRK

- Designed for vertical PCB mounting
- 2 to 10 Poles
- -30 °C to +105 °C
- 12 A up to 250 V



PRODUCT DESCRIPTION

The STL 950/.../5.08-V-G-L series features a male pin header with a long soldering lug designed for vertical PCB mounting. Available in pole counts from 2 to 10, each variant uses a 5.08 mm pitch, with contact pins of 1 mm diameter, 3.9 mm pin length, and a 1.4 mm drill-hole diameter. The housing is moulded from flame-retardant polyamide 6.6 (UL 94 V-0) rated for temperatures between -30 °C and +105 °C. The connector is rated at 12 A up to 250 V, with a 4 kV impulse voltage rating, contamination degree 3, over-voltage category III, and a CTI of 600. It supports at least 100 plug-in cycles and is recommended for wave-soldering at 265 °C for 3–4 seconds. Approvals include UL 1059, cUL CSA 22.2 No. 158, and EN 61984 (VDE) certification standards.

In practical applications, the long soldering lug variant is tailored for installations demanding robust mechanical reinforcement or improved thermal endurance, such as heavy-duty power control modules or devices subject to elevated solder heat loads. It seamlessly integrates with CONTA-CONNECT's FRK or ZRK tension-spring terminal systems, allowing retrofitting of non-pluggable rows into modular, pluggable terminal configurations. Engineers often use these headers in industrial automation panels, relay modules, power supplies, and process-control hardware, where reliable PCB connectivity and quick maintenance or replacement cycles are essential. The extended lug enhances mechanical stability during wave soldering or in harsher vibration-prone environments.

TECHNICAL DATA

GENERAL DATA

Type	Header
Pitch	5.08 mm
Colour	Green
Number of poles	2
Approvals	UL, cUL, VDE

RATINGS

Rated current	12 A
Rated voltage	250 V
Rated impulse voltage	4 kV
Overvoltage category	III
Contamination degree	3

DIMENSIONS

Length	8.4 mm
Width	11.36 mm
Height	12 mm
Width left	3.14 mm
Width right	3.14 mm
Drillhole diameter	1.4 mm
Diameter of the connection pin	1 mm

CONNECTION DATA

Connector type/principle	Pin header
Connector version	Fixed
Number of plugin rows	1

MATERIALS

Housing material	Polyamide 6.6
Flammability class	UL94-V0
Operating temperature from	-30 °C
Operating temperature to	105 °C
Contact pin	Copper alloy

APPROVALS

UL test standard	UL 1059
Rated voltage UL	300 V
Rated current UL	15 A
cUL test standard	CSA 22.2 No.158
Rated voltage cUL	300 V
Rated current cUL	15 A
VDE test standard	DIN EN 61984
Rated voltage VDE	250 V
Rated current VDE	12 A

Plug-in cycles acc. to standard	100
Recommended wave solder duration max	4 s
Recommended wave solder duration min	3 s
Recommended wave soldering temperature	265 °C
Tariff code	85366990

Pack size	50
Weight	1 g
Country of origin	DE
Current creepage resistance	CTI 600
Glow wire flammability index (GWFI)	GWFI 850
Glow wire ignition temperature (GWIT)	GWIT 775
GWFI after-glow time	30 s
GWIT exposure time	5 s
Insulation resistance	$1 \cdot 10^{13} \Omega \times \text{cm}$

