



Screw Connectors for Printed Circuit Boards

TYPE 976 (-DS)

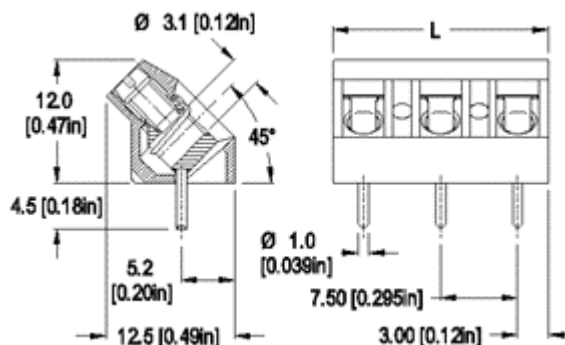
7.5 mm spacing - 2 and 3 poles



Distributor Stock Check



RoHS WEEE Pb free compliant



Dimensions: mm (in.)

Description

Can be installed anywhere on PCB without wires or screws interfering with the rest of PCB. Can be located next to each other back-to-back, front-to-front and front-to-back. The screws and wire entries are easily visible, accessible and usable, an ergonomic advantage.

- Solid version
- Wire entrance at 45° angle to PC Board
- End-to-end stackable while maintaining the 5 mm spacing.

Technical Data

Center to Center Spacing: 7.5 mm (0.295 in.)

Nominal Cross Section:

2.5 mm² (3874 mils²)

Wire Stripping Length: 6.5 mm (0.26 in.)

Recommended Hole Diameter in PC Board:

1.3 mm (0.051 in.)

Length of Connector (L)

L = (No. of Poles x Center to Center Spacing) - 1.5 mm

When locating connector, allow 0.5 mm clearance around it for process-induced variations.

Approval Information

UL File No.E69841

CSA File No.LR24322

Rating	Current(A)	Voltage(V)	Application group	AWG
UL	15	300	B,C	26-12
CSA	15	300	B,D,E	22-10

* Version DS is CSA certified for 26-10 AWG.

UL: 24-26 AWG range for factory wiring only.

Screw Tightening Torque:

UL: 4.5 lbf·in

CSA: 0.51 Nm

International Approvals:



Rated Impulse Withstand Voltage: 6000 V

Material

Molding: Polyamide, self extinguishing UL 94, V-0, color grey

Temperature limits:

Short Time: 140°C (284°F)

Continuous: RTI 105°C (221°F)

Low Limit: -40°C (-40°F)

Comparative Tracking Index: CTI > 600

Oxygen Index Rating: 32%

Terminal Body: Tin plated copper alloy

Wire Protector: Tin plated copper alloy

Screw: M3, Slotted head, zinc plated clear passivated, steel substrate

Solder Pin: Ø 1.0 mm (0.04 in.), Tin plated copper alloy

Item

976 (-DS)

Options

- ☐ CN: Consecutive Numbering (hot stamped numbers)
- ☐ SM: Special Marking (please provide sketch)
- ☐ G05: Gold Plating (5 micro inches)
- ☐ G30: Gold Plating (30 micro inches)
- ☐ S30: Silver Plating (30 micro inches)
- ☐ XXMM: Longer solder Pins up to 75 mm (3 in.)
- Protruding length of pins, in millimeters:
- ☐ BS: Copper Alloy Screws

Note: Plated component: terminal body

Accessories

WIRE PROTECTOR:
with: - DS

POLES:
02 and 03

976

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