

Screw Connectors for Printed Circuit Boards

TYPE 976 (-DS)

7.5 mm spacing - 2 and 3 poles





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.

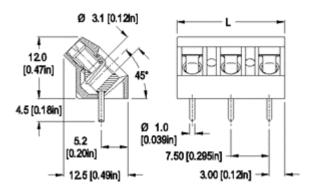
Technical Data

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.)



Dimensions: mm (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 SUCSA File No.LR24322

Rating	Current(A)	Voltage(V)	Application group	AWG	
· UL	15	300	В,С	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 Ifbin 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

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 compone	nt: terminal body		
Accessories			
976	WIRE PROTECTOR: with: - DS / / / POLES: 02 and 03		