

Screw Connectors for Printed Circuit Boards

951 (-DS) | 5.00 mm (0.197 in) Spacing - 2-32 poles

PICTURES



951-DS-1



951-DS top view

TECHNICAL INFORMATION

Description

Low profile

Wire entrance perpendicular to PC Board

Solid version

Technical Data

Center to Center Spacing: 5.000 mm (0.197 in)

Nominal Cross Section: 1.5 mm² (2325 mils²)

Wire Stripping Length: 6.000 mm (0.236 in)

Recommended Hole Diameter in PC Board: 1.300 mm (0.051 in)

Bill of Materials

Pole Version : 2-8

Molding : Polyamide, Self extinguishing UL 94, V-0

Color : Grey

Temperature limits :

Short Time : 140°C (284°F)

Continuous : 105°C (221°F)

Low Limit : -40°C (-40°F)

Comparative Tracking Index : CTI ? 600 V

Oxygen Index Rating : 32 %

Pole Version : 9-32

Molding : Polyamide (glass fiber reinforced), Self extinguishing UL 94, V-0

Color : Grey

Temperature limits :

Short Time : 200°C (392°F)

Continuous : 105°C (221°F)

Low Limit : -40°C (-40°F)

Oxygen Index Rating : 33 %

Terminal Body: Tin plated copper alloy

: Tin plated copper alloy

Screw: Slotted head, zinc plated blue passivated, steel substrate M2.6

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

APPROVAL INFORMATION

UL File No. E69841 | CSA File No. LR24322

Type	Current (A)	Voltage (V)	Application Group	AWG	Screw Tightening Torque
 951 (-DS) 5.0 mm	15	300	B	26-14	3.5 lbfin
 951 (-DS) 5.0 mm	15	300	B	26-12	0.4 lbfin

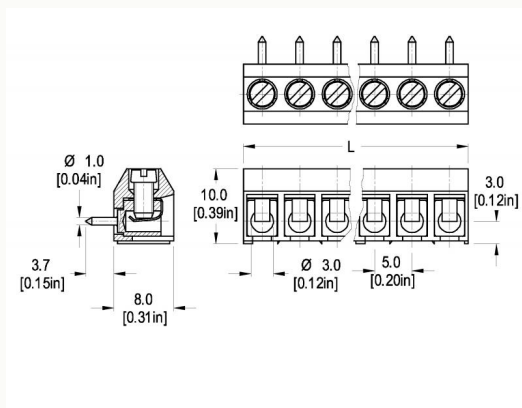
Version DS is CSA certified for 26-14 AWG.

International Approval Information



Rated Impulse Withstand Voltage : 2500 V

TECHNICAL DRAWING



Description :

Length of Connector (L)

$L = \text{No. of Poles} \times \text{Center to Center Spacing}$

SECTION A - SERIES 94 AND SERIES 95



Terminal Blocks for Printed Circuit Boards

Series 94 and 95 are among the smallest available connectors in the 5 mm (0.2 in.) spacing and are designed to save precious real estate on the printed circuit board. The Series 94 has 0.2 in. spacing and a rounded top the Series 95 has 5 mm metric spacing and has a slightly lower flat top design to provide visual and tactile differentiation between the two series and helps prevent inventory errors.

These blocks are available in solid 2-32 pole lengths as well as in the dovetail version (-T) with 2 and 3 poles per block which can be installed end-to-end to provide the needed number of poles while maintaining the center-to-center distance. The dovetail system allows them to be assembled together in the desired combination greatly reducing inventory and speeding up delivery.

The copper alloy tin-plated wire protector (-DS) option is recommended as it provides protection to stranded wires from the clamping screw. This series is end-to-end stackable while maintaining the needed spacing. Wire protectors are not required if solid wire is used this allows easier wire insertion.

For the 9 to 32 pole version, molding are fiberglass-filled polyamide to provide longitudinal rigidity while maintaining the UL 94 V-0 rating this also allows higher process temperature limits.

Terminal blocks with wire entry parallel to the circuit board have been designed with standoffs to allow flux and solvents to drain during flow soldering operations.

Each product has a "How To Order" area as well as a complete listing of UL and CSA approval specifications, available options and accessories.