Plug-in Screw Connector System for Printed Circuit Boards

970-FBW (-DS) | 5.00 mm (0.197 in) Spacing - 2-24 poles

PICTURES

970-FBW-DS

970-FBW-DS & 971-SLS

TECHNICAL INFORMATION

Description

Plug

End-to-end stackable while maintaining the 5 mm spacing.

Technical Data

Center to Center Spacing: 5.000 mm (0.197 in)
Nominal Cross Section: 2.5 mm^2 (3875 $mils^2$)
Wire Stripping Length: 5.500 mm (0.217 in)

Bill of Materials

Pole Version : 2-12
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 %

Terminal Body: Tin plated copper alloy
: Tin plated copper alloy
Spring Clip: Stainless steel strip
Screw: Slotted head, zinc plated blue passivated, steel substrate M3

APROVAL INFORMATION

UL File No. E69841 | CSA File No. LR24322

	Type	Current (A)	Voltage (V)	Application Group	AWG	Screw Tightening Torque
	970-FBW (-DS) 5.0 mm	20	300	B, D	26-12	4.5 lbfin
	970-FBW (-DS) 5.0 mm	20	300	B	26-12	0.51 lbfin
		10	300	D, E	26-12	0.51 lbfin

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

Internationl Approval Information

Rated Impulse Withstand Voltage : 2500 V

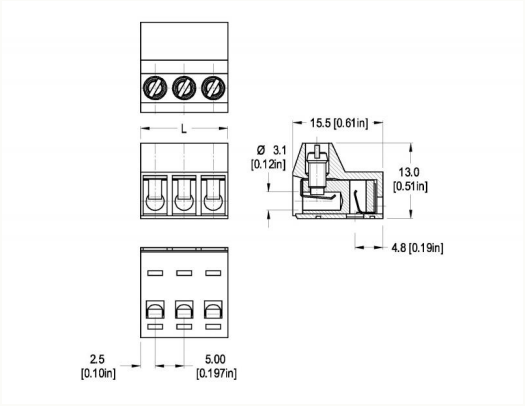
PLUGGING PARTS

Plug-In Direction Perpendicular to PCB and Wire Entrance Parallel to PCB

TYPE 971-FBWP
5.00 mm spacing - 2-12 poles

TYPE 971-SLK /-SLS /-SLW
5.00 mm spacing - 2-64 poles

TECHNICAL DRAWING

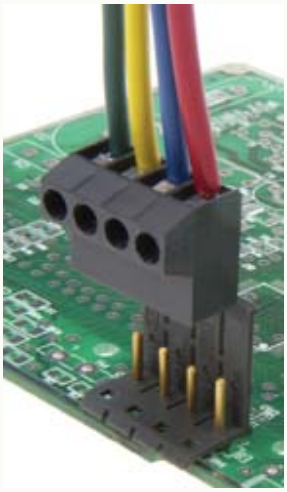


Description :

Length of Connector (L)

L = No. of Poles x Center to Center Spacing

SECTION A - SERIES 97-FBW, 97-FBS AND 97-K



Terminal Blocks for Printed Circuit Boards

This series of versatile combination two-part terminal blocks provides a variety of design solutions. The plugs can be used with matching pinstrips or headers. Some of the male plugs interlock with their female counterparts.

We strongly recommend the optional wire protectors (DS designation) to prevent damage to stranded wiring from the clamping screw mechanism. Solid wiring does not require wire protectors this makes insertion of larger wires easier in field wiring applications.

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