



Plug-in Screw Connector System for Printed Circuit Boards

TYPE 971-KRFBS (-DS)

5 mm spacing - 2 to 12 poles



Distributor Stock Check



971-KRFBS (-DS)



One possible variation of assembly



RoHS WEEE Pb free surface compliant

Description

These plugs are designed to provide a secure interlocking mechanism when an application will be encountering severe vibrations.

- Plug
- Plug-In Direction and Wire Entrance Perpendicular to PCB when plugged with 971-KS
- Plug-In Direction and Wire Entrance Parallel to PCB when plugged with 970-KA /-KB, 970-KE
- End-to-end stackable while maintaining the 5 mm spacing.

Technical Data

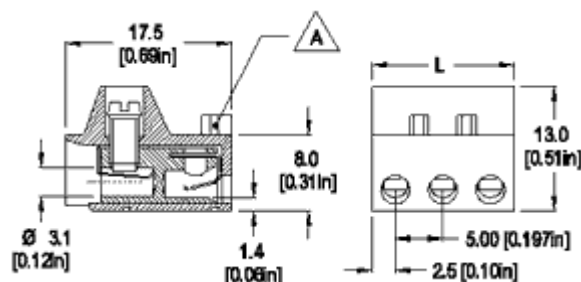
Center to Center Spacing: 5 mm (0.197 in.)

Nominal Cross Section:

2.5 mm² (3874 mils²)

Wire Stripping Length: 5.5 mm (0.22 in.)

Contact Resistance: typically 1m ohm



Dimensions: mm (in.)

Length of Connector (L)

L = No. of Poles x Center to Center Spacing

(A) Interlocking wedge

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	20	300	B,D	26-12
CSA	10	300	B,D,E	22-10

* Version DS is CSA certified for 26-14 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: 2500 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

Spring Clip: Stainless steel strip

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

Item	971-KRFBS (-DS)		
Options	☐ CN: Consecutive Numbering (hot stamped numbers) ☐ SM: Special Marking (please provide sketch) ☐ PS: Clear Chromate Passivated, zinc plated, Steel Screws ☐ G05: Gold Plating (5 micro inches) ☐ G30: Gold Plating (30 micro inches) ☐ S30: Silver Plating (30 micro inches)		
Note: Plated component: terminal body			
Accessories			
971-KRFBS	WIRE PROTECTOR: with: - DS	/	POLES: 02 to 12