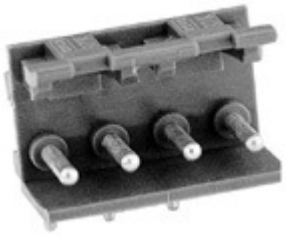
Plug-in Screw Connector System for Printed Circuit Boards

TYPE 970-KA /-KB

5 mm spacing - 2 to 12 poles

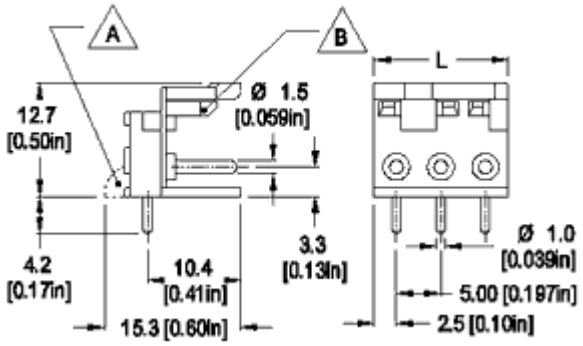
Distributor Stock Check



970-KA

One possible variation of assembly

RoHS WEEE Pb free surface compliant



Dimensions: mm (in.)

Length of Connector (L)
L = No. of Poles x Center to Center Spacing
(A) Extended base, 970-KA only
(B) Interlocking latch

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

Description

These headers are designed to provide a secure interlocking mechanism when an application will be encountering severe vibrations. The header can also be used with the type 971-FBS (-DS) when interlocking and keying features are not required.

- Header
- Plug-In Direction and Wire Entrance Parallel to PCB when plugged with 971-KRFBS (-DS), 971-KS
- 970-KA: Extended base to improve to the stability during wave soldering and to increase the strength during plugging and depplugging.
- End-to-end stackable while maintaining the 5 mm spacing.

Technical Data

Center to Center Spacing: 5 mm (0.197 in.)
Recommended Hole Diameter in PC Board:
1.3 mm (0.051 in.)
Contact Resistance: typically 1m ohm

Approval Information

UL File No.E69841
CSA File No.LR24322

Rating	Current(A)	Voltage(V)	Application group	AWG
UL	20	300	B,D	
CSA	10	300	B,D,E	

International Approvals:

Material

Molding: Polyamide, UL 94, V-2, 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 > 175
Oxygen Index Rating: 25%

Solder Pin: Ø 1 mm (0.04 in.), Tin plated copper alloy

Item	**970-KA /-KB**
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)

Note: Plated component: solder pin

Accessories

	EXTENDED BASE: with: A without: B		POLES: 02 to 12
970-K		/	