



PRODUCT SEARCH

970-LH-DS/05

FR e.g.20.874.002

PRODUCTS COMPANY CONTACT US SUPPORT SITE MAP

PRODUCTS



CROSS-REFERENCE

## Screw Connectors for Printed Circuit Boards

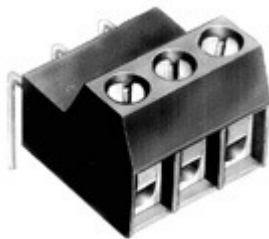
### TYPE 970-LH (-DS)

5 mm spacing - 2 to 12 poles

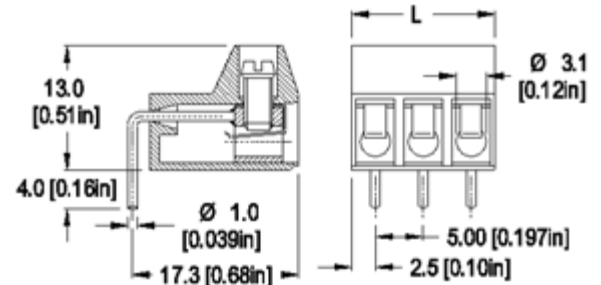


Distributor Stock Check

Series	Download PDF	3D Model	Can plug with	How to order	Color specifications	Print
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RoHS WEEE Pb free surface compliant



Dimensions: mm (in.)

Length of Connector (L)  
L = No. of Poles x Center to Center Spacing

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

### Description

Types 970-LH terminal blocks have been specially designed to allow effective potting of PC boards when terminal block is mounted on PCB edge and wire clamping area is facing outside of the board.

- Wire entrance parallel to PC Board
- Right angle PCB pin

### Technical Data

**Center to Center Spacing:** 5 mm (0.197 in.)  
**Nominal Cross Section:** 2.5 mm<sup>2</sup> (3874 mils<sup>2</sup>)  
**Wire Stripping Length:** 5 mm (0.197 in.)  
**Recommended Hole Diameter in PC Board:** 1.3 mm (0.051 in.)

### Illustration

### Approval Information

UL File No.E69841   
 CSA File No.LR24322

Rating	Current(A)	Voltage(V)	Application group	AWG
UL	20	300	B	22-12
UL	10	300	D	22-12
CSA	15	300	B,D,E	22-10

\* Version DS is CSA certified for 26-10 AWG.  
 UL: 26-24 AWG is for factory wiring only

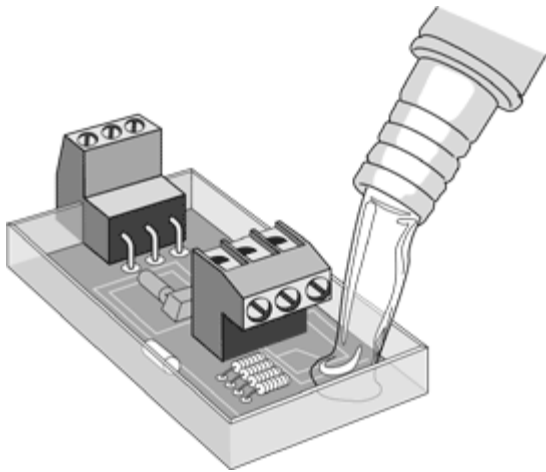
### Screw Tightening Torque:

UL: 4.5 lbf·in  
 CSA: 0.51 Nm

**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 ≥ 600V

**Oxygen Index Rating:** 33%

**Terminal Body:** Tin plated copper alloy

**Wire Protector:** Tin plated copper alloy

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

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

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**How to order**

**Item** — 970-LH (-DS)

- Options**
- CN: Consecutive Numbering (hot stamped numbers)
  - SM: Special Marking (please provide sketch)
  - PS: Zinc plated clear Passivated, steel substrate
  - WG: Wire Guide
  - G05: Gold Plating (5 micro inches)
  - G30: Gold Plating (30 micro inches)
  - S30: Silver Plating (30 micro inches)
  - XXMM: Longer solder Pins up to 18.8 mm (0.74 in.)
- Protruding length of pins, in millimeters:

- Request sample**
- Request quote**

Quantity | 1 |

**Accessories**

- [BST Self Adhesive Marking Strips. Consecutively numbered.](#)
- [Jumper, Type 970-J1.](#)
- [Jumper, Type 970-J2.](#)

**Note:** Plated component: terminal body

**Ordering Note:** Version with 10 mm spacing (972-LH (-DS)).

**970-LH**

WIRE PROTECTOR:  
with: - DS

POLES:  
02 to 12

[Add to shopping cart](#)