

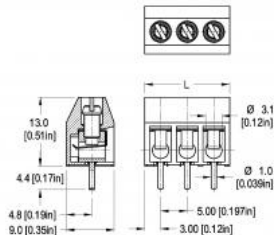


SCREW CONNECTORS FOR PRINTED CIRCUIT BOARDS

**970 (-DS)**

5.00 mm (0.197 in) Spacing - 2-32 poles

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TECHNICAL INFORMATION

APPROVAL INFORMATION

HOW TO ORDER

**Description**

Wire entrance parallel to PC Board  
Solid version

**Technical Data**

**Center to Center Spacing:** 5.000 mm (0.197 in)  
**Nominal Cross Section:** 2.5 mm<sup>2</sup> (3875 mils<sup>2</sup>)  
**Wire Stripping Length:** 6.500 mm (0.256 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)

**Comparative Tracking Index :** CTI ≥ > 175 V

**Oxygen Index Rating :** 33 %

**Terminal Body:** Tin plated copper alloy

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

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



**Visual Description**

RoHS WEEE Pb free surface compliant



**Approval Information**


UL File No. [E69841](#) | CSA File No. [LR24322](#)

	TYPE (Spacing)	Current (A)	Voltage (V)	Application Group	AWG	Screw Tightening Torque
	970 (-DS)	20	300	B	22-12	4.5 lbfin
	5.0 mm	10	300	D	22-12	4.5 lbfin
	970 (-DS)	20	300	B	26-12	0.51 Nm
	5.0 mm	10	300	D, E	26-12	0.51 Nm

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

**Alternative Approval Information**

UL File No. [E69841](#) | CSA File No. [LR24322](#)

	TYPE (Spacing)	Current (A)	Voltage (V)	Application Group	AWG	Screw Tightening Torque
	972 (-DS)	20	300	B	26-12	0.51 Nm
	10.0 mm	10	300	D, E	26-12	0.51 Nm

**International Approval Information**



Rated Impulse Withstand Voltage : 2500 V

**Please fill in the How to Order box**

- Request Sample                      Quantity
- Request Quote                        Quantity

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Spacing:

Select one

Wire protector:

Select one

Poles:

Select one

**Accessories**

[970-J2, Jumper](#)

[BST -3.50/ -5.00/ -5.08/ -7.50/ -10.00/ -10.16, Self Adhesive Marking Strips](#)

[970-J1, Jumper](#)

**Notes**

Plated component: terminal body

**OPTIONS:**

- BS: Copper Alloy Screw
- CN: Consecutive Numbering (hot stamped numbers)
- G05: Gold Plating (5 micro inches)
- G30: Gold Plating (30 micro inches)
- PS: Zinc plated clear Passivated, steel substrate
- S30: Silver Plating (30 micro inches)
- SM: Special Marking (please provide sketch)
- WG: Wire Guide
- XXMM: Longer solder Pins up to (...), XX = protruding length of pins in millimeters

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