

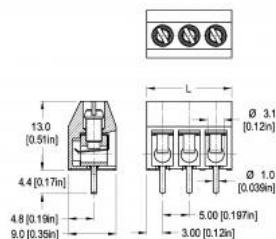


SCREW CONNECTORS FOR PRINTED CIRCUIT BOARDS

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 mm² (3875 mils²)

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

: 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

97

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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