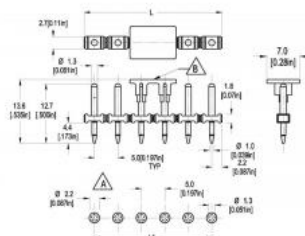




PLUG-IN SCREW CONNECTOR SYSTEM FOR PRINTED CIRCUIT BOARDS

971-SLR

5.00 mm (0.197 in) Spacing - 2-24 poles

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TECHNICAL INFORMATION

APPROVAL INFORMATION

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Description

The pin strip header type 971-SLR replaces the former type 971-SLK. It is a 5 mm pitch pin strip header with pins that are 1.0 mm diameter at the PCB end and 1.3 mm diameter at the plug end. For other non standard pins please see PDF document in the Download Center.

It is suitable for both, wave soldering process, and high temperature soldering process. The product is built out of materials which meet RoHS soldering temperature and tin whisker mitigation requirements.

Molding: the high temperature resistant resin.

Pin: Matte tin and nickel plated copper alloy pin.

Standoffs on the plastic part allow hot-air circulation near the solder lands and inspection of the soldered pads.

The pin strips type 971-SLR can be packed with removable pick caps in deep embossed tape and reel, suitable for auto-loading pick and place processes. They can also be supplied loose in cartons for hand placement.

For through hole reflow process applications (THR) WECO is offering the type 971-SLR-THR. There is a difference in design of the PCB portion of the pin.

Pinstrip

Through Hole Reflow

Vertical version

Flat base

Available by request up to 32 poles

Technical Data

Center to Center Spacing: 5.000 mm (0.197 in)

Recommended Hole Diameter in PC Board: 1.300 mm (0.051 in)

Bill of Materials

Molding : HT Polyamide,

Color : Black

Temperature limits : Short Time : 260°C (500°F)

Continuous : 105°C (221°F)

Low Limit : -40 °C (-40 °F)

Comparative Tracking Index : CTI $\geq$ 600 V

Oxygen Index Rating : 28 %

PCB Pin: Tin plated copper alloy Ø 1.0 mm

PCB Pin: Tin plated copper alloy Ø 1.3 mm

Application

971-SLR is designed for printed circuit board (PCB) through-hole re-flow soldering or wave soldering processes.

Visual Description

RoHS WEEE Pb free surface compliant



They plug with the 950-FL, 958-FL, 950-NLFL, 958-NLFL, 950-NAF, 115-F, 971-FBS series connectors.

Insertion forces can be adjusted to customer requirements: 1.3 mm diameter plug ends have higher insertion forces than 1.1 mm diameter plug ends. An application with few poles may favor the 1.3 mm diameter pin. With more poles it could favour the 1.1 mm diameter pin.

In field applications involve thermostats, hygrometers, HVAC controls, process control, automation, robotics, AC or DC drives, remote controls...

Approval Information

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

	TYPE (Spacing)	Current (A)	Voltage (V)	Application Group	AWG	Screw Tightening Torque
	971-SLR 5.0 mm	10	300	B		
	971-SLR 5.0 mm	10	300	B		

current rating 12 A when connected with plug from series 115-F

Plug-in direction and wire entrance perpendicular to PCB



TYPE 971-FBS (-DS)
5.00 mm spacing - 2-24 poles

Plug-in direction perpendicular to PCB and wire entrance parallel to PCB



TYPE 115-F-111
5.00 mm spacing - 2-12 poles



TYPE 115-F-118
5.00 mm spacing - 2-12 poles



TYPE 115-F-211
5.00 mm spacing - 2-12 poles



TYPE 950-FL-DS
5.00 mm spacing - 2-24 poles



TYPE 950-GFL-DS
5.00 mm spacing - 2-24 poles



TYPE 950-NAF-DS
5.00 mm spacing - 2-12 poles



TYPE 950-NLFL-DS
5.00 mm spacing - 2-12 poles



TYPE 950-RNF-DS
5.00 mm spacing - 2-12 poles



TYPE 950-T-FL-DS
5.00 mm spacing - 2, 3, 8 poles



TYPE 958-FL-DS
5.00 mm spacing - 2-24 poles



TYPE 958-NLFL-DS
5.00 mm spacing - 2-12 poles



TYPE 970-FBW (-DS)
5.00 mm spacing - 2-24 poles

Please fill in the How to Order box

☐ Request Sample	Quantity
☐ Request Quote	Quantity

971-SLR

Poles:

Select one

OPTIONS:

- ☐ G05: Gold Plating (5 micro inches)
- ☐ G30: Gold Plating (30 micro inches)
- ☐ S30: Silver Plating (30 micro inches)
- ☐ TR: Tape and Reel Assembly (Includes pick surface)

Notes

Plated component: pin

ADD TO CART