

Plug-in Screw Connector System for Printed Circuit Boards

930 / 931-HSL | 3.50 mm (0.138 in) Spacing - 3 poles

PICTURES



930-HSL



931-HSL



930-HFL & 931-HSL

TECHNICAL INFORMATION

Description

These products were created for the broadcasting and video production industries but can be used in all applications where a small wire gauge is needed. The plug and header are designed to prevent accidental separation of the two parts.

Self-locking snap-in feature when used with the 930-HFL and 938-HFL plugs.

Horizontal and vertical plug-in versions are available, both versions feature 3 poles and 3.5 mm center to center spacing.

Header

Technical Data

Center to Center Spacing: 3.500 mm (0.138 in)

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

Bill of Materials

Molding : Polyamide, Self extinguishing UL 94, V-0

Color : Black

Temperature limits :

Short Time : 200°C (392°F)

Continuous : 105°C (221°F)

Low Limit : -40°C (-40°F)

Comparative Tracking Index : CTI ? 600 V

Oxygen Index Rating : 31 %

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

APPROVAL INFORMATION

UL File No. E69841 | CSA File No. LR24322

	Type	Current (A)	Voltage (V)	Application Group	AWG	Screw Tightening Torque
	930 / 931-HSL 3.5 mm	6	300	B		
	930 / 931-HSL 3.5 mm	6	300	B		

PLUGGING PARTS

Plug-In Direction and Wire Entrance Parallel to PCB (FOR 930-HSL ONLY)



TYPE 930-HFL (-DS)
3.50 mm spacing - 3 poles



TYPE 938-HFL (-DS)
3.50 mm spacing - 3 poles

Plug-In Direction and Wire Entrance Perpendicular to PCB (FOR 931-HSL ONLY)

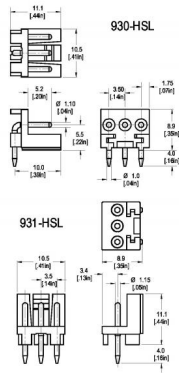


TYPE 930-HFL (-DS)
3.50 mm spacing - 3 poles



TYPE 938-HFL (-DS)
3.50 mm spacing - 3 poles

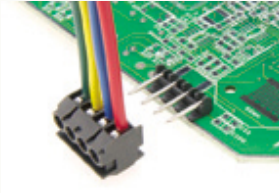
TECHNICAL DRAWING



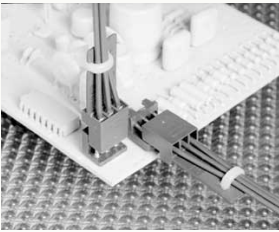
Description :

SECTION A - SERIES 93-FL AND SERIES 95-FL

Terminal Blocks for Printed Circuit Boards



These two-part plug and pinstrip combinations provide a small footprint, and low-profile design when ease of service, manufacturing and testing are needed. The two parts are secured with a specially designed contact spring, which ensures proper electrical contact and resistance to vibration. The two-piece design reduces maintenance and servicing costs in the field it saves time and reduces the problem of inserting replacement wires under less than ideal field conditions.



Types 930-FL, 930-HSL and 931-HFL with 3.5 mm (0.138 in.) spacing and the type 950-FL-DS with 5.0 mm (0.197 in.) spacing were designed to meet industry standards.

The 950-TFL-DS type was designed as a dovetail block with 2, 3 and 8 poles per block the dovetail system provides the flexibility to assemble the designer with the needed number of positions while maintaining center-to-center spacing. The dovetail system greatly reduces inventory and speeds up delivery.

A variety of pinstrips can mate securely with the plugs to provide an effective and rapid connection system. The 3.5 mm 931-SLS is available with different pin lengths. The pins are inserted in pinstrips made of fiberglass-filled polybutylene terephthalate (PBTP) to provide better heat resistance during the wave soldering process.

The plug fits flush with the circuit board surface and provides a visual indication that the parts have been properly mated. Pinstrip pins are available in different lengths these longer pin lengths allow two blocks to be connected on a common pin, one on top of the other.

Each product has a "How To Order" area as well as a complete listing of UL and CSA approval specifications, available options and accessories.