

## Plug-in Screw Connector System for Printed Circuit Boards

130-P-020 | 5.00 mm (0.197 in) Spacing - 2-12 poles

### PICTURES



130-P

### TECHNICAL INFORMATION

#### Description

This product can be used as card edge connector on 1.6 mm (0.064 in.) PCB. The card edge connector will slide into slot cut in the PCB that will prevent sideways movements, thus ensuring proper contact match. The connector can also be used with flat tab. In general fits onto 6.3 x 0.8 mm (0.25 x 0.03 in.) single or 6.3 x 0.8 mm (0.25 x 0.03 in.) double 2.8 x 0.8 mm (0.11 x 0.03 in.) tabs.

Plug

Card edge connector

130-P-020 can be plug-in directly to PCB

#### 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:** 7.000 mm (0.276 in)

#### Bill of Materials

**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 :** 33 %



**Terminal Body:** Nickel plated copper alloy

**Wire Protector and Contact Spring:** Tin plated copper alloy

**Screw:** Yellow chromate passivated, zinc plated, steel M3

## APPROVAL INFORMATION

UL File No. E69841 | CSA File No. LR24322

Type	Current (A)	Voltage (V)	Application Group	AWG	Screw Tightening Torque
 130-P-020 5.0 mm	16 10	300 300	B D	26-12 26-12	4.5 lbfin 4.5 lbfin
 130-P-020 5.0 mm	15	300	B, D, E	26-14	0.51 lbfin


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

### International Approval Information


Rated Impulse Withstand Voltage : 2500 V

## PLUGGING PARTS


### Plug-In Direction and Wire Entrance Perpendicular to PCB

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**TYPE GST-900-S**  
 Variable spacing - poles


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**TYPE GST-900-SH**  
 Variable spacing - poles


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**TYPE GST-900-W**  
 Variable spacing - poles

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**TYPE GST-BG**  
 Variable spacing - poles

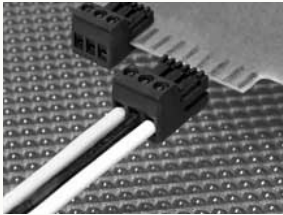
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**TYPE GST-BGS**  
 Variable spacing - poles



**SECTION A - SERIES 13****Terminal Blocks for Printed Circuit Boards**

The type 130-A plug connectors feature an elevator-style clamping mechanism the 130-K headers feature the mating male tabs. The large contact area between plug and header provides a reliable connection, even in high vibration applications. The plug design is similar to our type 120-A-111 and is also suitable for mating with series 90 tab connectors. Headers are equipped with 6.3 mm (0.25 in.) male tabs.



Special coding of the plug and header is provided to avoid accidental mating. Coding for standard versions is in accordance with the RAST-5 norm, which is the major appliance industry standard in many European countries. We can also provide custom designed coding for all versions please contact our customer service department for details.

The 130-P plug is designed to be used as a card-edge connector when suitably sized and located contacts have been designed into the printed circuit board.

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