

Plug-in Screw Connector System for Printed Circuit Boards

TYPE 120-D-121

5 mm spacing - 2 to 24 poles

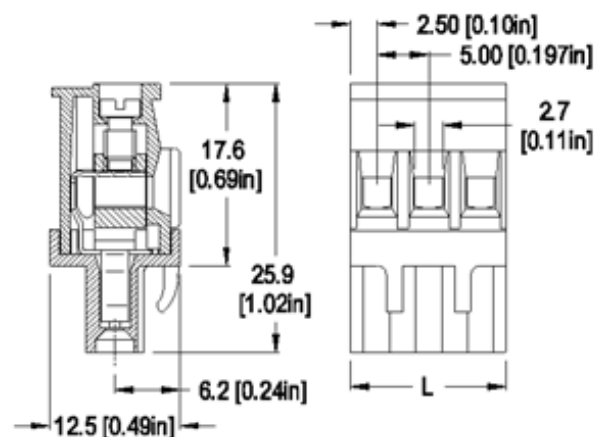
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| Series | Download PDF | 3D Model | Can plug with | How to order | Color specifications | Print |
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120-D-121



Dimensions: mm (in.)

Length of Connector (L)

L = No. of Poles x Center to Center Spacing

When locating connector, allow 0.5 mm clearance around it for process-induced variations.

Approval Information

UL File No.E69841

CSA File No.LR24322



| Rating | Current(A) | Voltage(V) | Application group | AWG |
|--------|------------|------------|-------------------|-------|
| UL | 15 | 300 | B | 26-12 |
| UL | 10 | 300 | D | 26-12 |
| CSA | 10 | 300 | B,D,E | 26-12 |

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

Screw Tightening Torque:

UL: 4.5 lbf·in

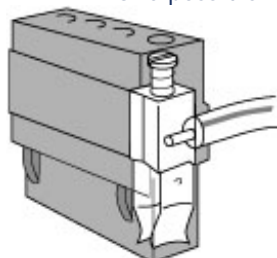
CSA: 0.51 Nm

International Approvals:



Rated Impulse Withstand Voltage: 2500 V

One possible variation of assembly



Typical Application



RoHS WEEE Pb free compliant

Description

- Plug
- Plug-In Direction Perpendicular to PCB and Wire Entrance Parallel to PCB when plugged with **120-M-121 /-221, 120-M-221-SMD, 120-M-221-THR, 120-M-161 /-261, 120-M-163 /-263, 120-M-227, 120-M-227-SMD and 120-M-191 /-291**
- Plug-In Direction Parallel to PCB and Wire Entrance Perpendicular to PCB when plugged with **120-M-181 /-281, 120-M-111 /-211**
- Retention clips on same side as wire entry

Technical Data

Center to Center Spacing: 5 mm (0.197 in.)

Nominal Cross Section:

2.5 mm² (3874 mils²)

Wire Stripping Length: 7 mm (0.28 in.)

Illustration



Coding keys **120-K** are available to prevent the insertion of the wrong plug into a header. These are usually field inserted but can be factory installed if required.

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Material

Molding: Polyamide, self extinguishing UL 94, V-0, color grey

Temperature limits:

Short Time: 140°C (284°F)

Continuous: RTI 105°C (221°F)

Low Limit: -40°C (-40°F)

Comparative Tracking Index: CTI > 600

Oxygen Index Rating: 33%

Terminal Body: Nickel plated copper alloy

Wire Protector and Contact Spring: Tin plated copper alloy

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

How to order

Item 120-D-121

Options

CN: Consecutive Numbering (hot stamped numbers)

SM: Special Marking (please provide sketch)

BS: Copper Alloy Screw

PS: Clear Chromate Passivated, zinc plated, Steel Screws

G05: Gold Plating (5 micro inches)

G30: Gold Plating (30 micro inches)

S30: Silver Plating (30 micro inches)

SRF: Strain Relief (available for 2 to 8 poles only)

Note: Plated component: contact spring

Ordering Note: Voltage rating for 10 mm spacing is UL certified for 15A - 300V / C and for 5A - 600V / D and CSA certified for 600 / D,E (120-D-122).

120-D-121/

POLES:
02 to 24

Request sample

Request quote

Quantity

Accessories

[BST Self Adhesive Marking Strips.](#)

[Consecutively numbered.](#)

[Jumper, Type 970-J1.](#)

Add to shopping cart