

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

### TYPE 120-D-121

5 mm spacing - 2 to 24 poles

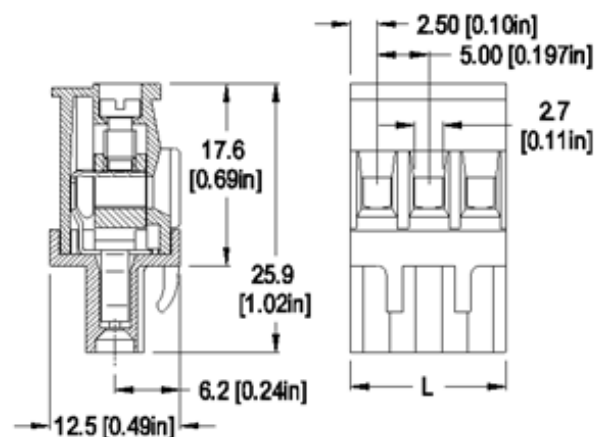
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| Series | Download PDF | 3D Model | Can plug with | How to order | Color specifications | Print |
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120-D-121



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

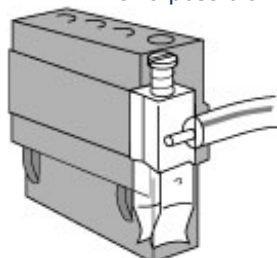
CSA: 0.51 Nm

### 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 mm<sup>2</sup> (3874 mils<sup>2</sup>)

**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.

Top of page

## 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.](#)

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