

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

**TYPE 120-A-111**

5 mm spacing - 2 to 24 poles



Distributor Stock Check



Series	Download PDF	3D Model	Can plug with	How to order	Color specifications	Print
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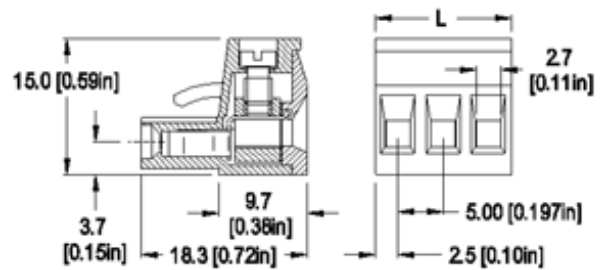
120-A-111



One possible variation of assembly



RoHS WEEE Pb free compliant



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

**Description**

- Plug
- Plug-In Direction and Wire Entrance Parallel to PCB when plugged with **120-M-111 /-211, 120-M-211-THR, 120-M-311 /-411, 120-M-217, 120-M-181 /-281, 120-M-151 /-251 and 120-M-153 /-253**
- Plug-In Direction and Wire Entrance Perpendicular to PCB when plugged with **120-M-121 /-221, 120-M-191 /-291, 120-M-161 /-261, 120-M-163 /-263, 120-M-221-SMD, 120-M-221-THR, 120-M-227-SMD and 120-M-227**

**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.)

**Material**

## 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.

**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

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## How to order

**Item** 120-A-111

### 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)

WG: Wire Guide

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-A-112).

120-A-111/

POLES:  
02 to 24

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Quantity

### Accessories

[BST Self Adhesive Marking Strips.](#)

[Consecutively numbered.](#)

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

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