



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

**TYPE 120-A-111**  
5 mm spacing - 2 to 24 poles



Distributor Stock Check



120-A-111



One possible variation of assembly



RoHS WEEE Pb free compliant

**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

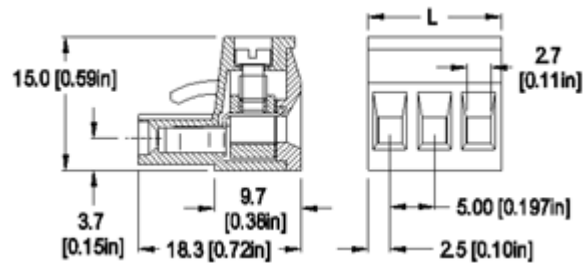
**Technical Data**

**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.)

**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.



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	15	300	B	26-12
CSA	10	300	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

**Rated Impulse Withstand Voltage:** 2500 V

**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

**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 15A-300V / B and for 5A-600V/ D,E (120-A-112).

**Accessories**

**120-A-111/**

POLES:  
02 to 24