



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

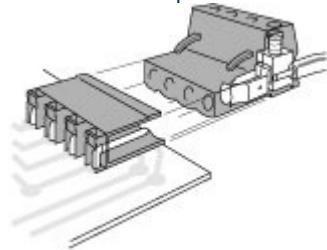
**TYPE 120-M-111 /-211**  
**5 mm spacing - 2 to 24 poles**



120-M-111



One possible variation of assembly



Typical Application



RoHS WEEE Pb free compliant

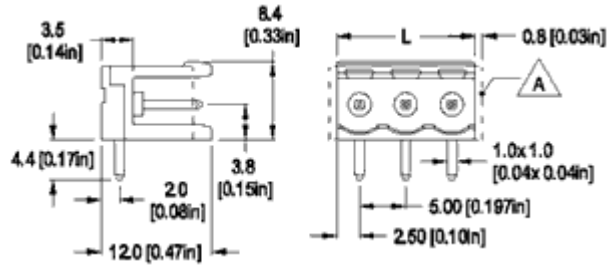
**Description**

- Header
- Plug-In Direction and Wire Entrance Parallel to PCB when plugged with 120-A-111
- Plug-In Direction Parallel to PCB and Wire Entrance Perpendicular to PCB when plugged with 120-D-111, 120-D-121

**Technical Data**

**Center to Center Spacing:** 5 mm (0.197 in.)  
**Recommended Hole Diameter in PC Board:** 1.4 mm (0.055 in.)

**Illustration**



**Dimensions: mm (in.)**

Length of Connector (L)  
 L = No. of Poles x Center to Center Spacing  
 (A) Side walls for 120-M-211 only

**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	
UL	10	300	D	
CSA	15	300	B	
CSA	10	300	D,E	

**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%

**Solder Pin:** 1 x 1 mm (0.04 x 0.04 in.), Tin plated copper alloy



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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**Item** **120-M-111 /-211**

- Options**
- CN Consecutive Numbering (hot stamped numbers)
  - SM Special Marking (please provide sketch)
  - G05 Gold Plating (5 micro inches)
  - G30 Gold Plating (30 micro inches)
  - S30 Silver Plating (30 micro inches)
  - 18.5MM Solder Pin length of 18.5 mm

**Note:** Plated component: solder pin

**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-M-112 /-212).

**Accessories**

	SIDEWALLS: without: 1 with: 2		POLES: 02 to 24
<b>120-M-</b>	<input type="text"/>	11/	<input type="text"/>