



# Plug-in Screw Connector System for Printed Circuit Boards



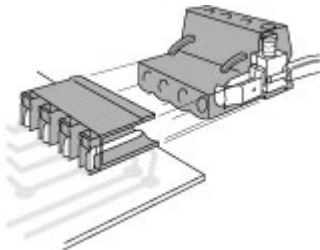
**TYPE 120-M-111 /-211**  
5 mm spacing - 2 to 24 poles



120-M-111



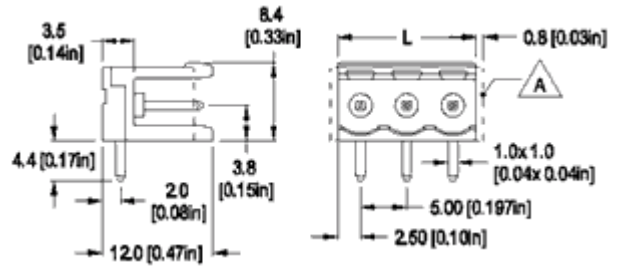
One possible variation of assembly



Typical Application



RoHS WEEE Pb free compliant



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

## 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



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

## International Approvals:



Rated Impulse Withstand Voltage: 2500 V

## Material

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

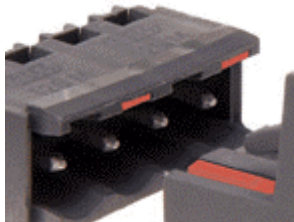
**Temperature limits:**

**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

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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
120-M-	<input type="text"/>	11/	<input type="text"/>