



Plug-in Screw Connector System for Printed Circuit Boards



TYPE 120-M-311 /-411
5 mm spacing - 2 to 24 poles



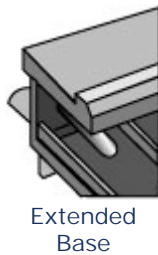
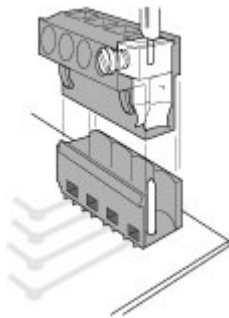
Distributor Stock Check



120-M-311



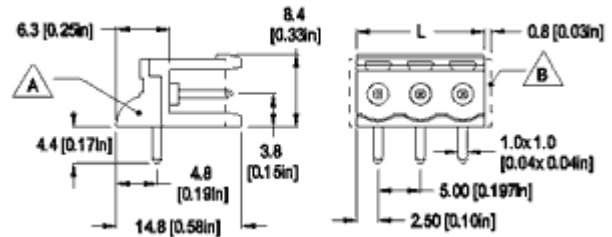
One possible variation of assembly



Extended Base



RoHS WEEE Pb free compliant



Dimensions: mm (in.)

Length of Connector (L)

L = No. of Poles x Center to Center Spacing

(A) Extended base

(B) Side walls for 120-M-411 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
- With extended base
- Extended base is used to improve to the stability during wave soldering and to increase the strength during plugging and deplugging.

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

Current Density Rating: 200 A/mm²



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.

Item **120-M-311 /-411**

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-312 /-412).

Accessories

	SIDEWALLS: without: 3 with: 4		POLES: 02 to 24
120-M-	<input style="width: 80px; height: 20px;" type="text"/>	11/	<input style="width: 80px; height: 20px;" type="text"/>