



Plug-in Screw Connector System for Printed Circuit Boards



TYPE 120-M-151 / -251

5 mm spacing - 4 to 48 poles



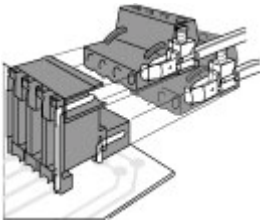
Distributor Stock Check



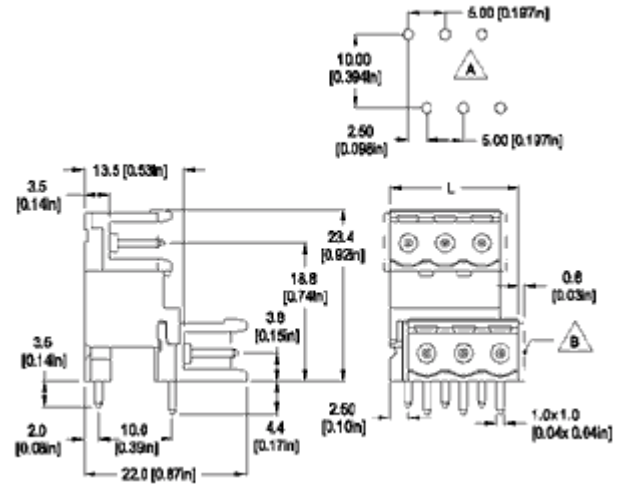
120-M-151



One possible variation of assembly



RoHS WEEE Pb free compliant



Dimensions: mm (in.)

Length of Connector (L)

$L = (\text{No. of Poles} \times \text{Center to Center Spacing} / 2) + 2.5 \text{ mm}$

(A) PCB hole layout

(B) Side walls for 120-M-251 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
- Double level
- 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-121, 120-D-111
- Back row offset to the left
- With or without Sidewalls

Technical Data

Center to Center Spacing: 5 mm (0.197 in.)

Recommended Hole Diameter in PC Board: 1.4 mm (0.055 in.)

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

International Approvals:



Rated Impulse Withstand Voltage: 2500 V

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.

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

Item

120-M-151 / -251

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)

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-152 / -252).

Accessories

	SIDEWALLS: without: 1 with: 2		POLES: 04 to 48
120-M-		51/	