

Plug-in Screw Connector System for Printed Circuit Boards



TYPE 120-M-217

5 mm spacing - 2 to 22 poles



Distributor Stock Check



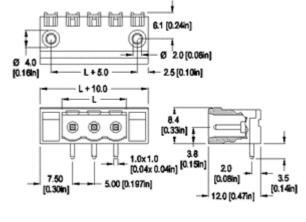
120-M-217 Mounting screws not included



One possible variation of assembly



RoHS WEEE Pb free compliant



Dimensions: mm (in.)

 $\label{eq:Length} \mbox{Length of Connector (L)} \\ L = \mbox{No. of Poles x Center to Center Spacing}$

When locating connector, allow 0.5 mm clearance around it for process-induced variations.

Description

Type 120-M-217 headers are equipped with mounting flanges that can accept mounting hardware (screw or rivets) supplied by the customer. Screw can be self tapping into PCB or attached to a nut on the PCB's underside.

- 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 mounting flanges
- The socket has to be mounted on the edge of the PCB when plugged with 120-D plugs
- Recommended mounting hardware: M2 cheese head screw (#2-56 fillister head screw) or similar sized sheet metal screw, self-tapping screw or rivet.

Approval Information

UL File No.E69841 **N**CSA File No.LR24322

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

International Approvals:



Rated Impulse Withstand Voltage: 2500 V

Technical Data

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

Material

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

Tomporature limite

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.

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-217 **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-218). Accessories POLES: 02 to 22 120-M-217/