



Plug-in Screw Connector System for Printed Circuit Boards

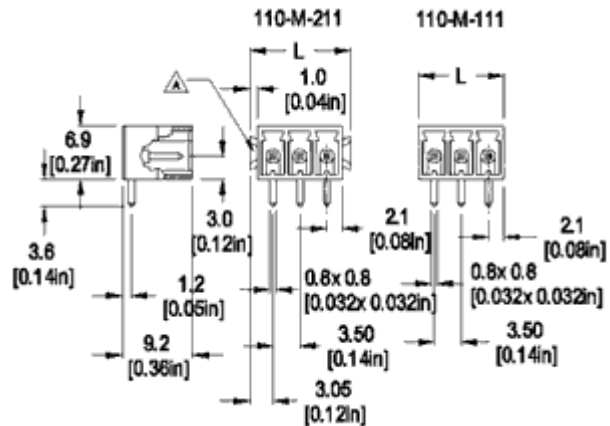
TYPE 110-M-111 /-211
 3.5 mm spacing - 2 to 24 poles



110-M-211
 One assembly



RoHS WEEE Pb free surface compliant



Dimensions: mm (in.)

Length of Connector (L)

110-M-111: L = (No. of Poles x Center to Center Spacing) + 0.6 mm
 110-M-211: L = (No. of Poles x Center to Center Spacing) + 2.6 mm
 (A) Poka-Yoke feature

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

Description

- Header
- Plug-In Direction and Wire Entrance Parallel to PCB when plugged with 110-A-111, 110-A-IDC
- 110-M-211 is equipped with a poka-yoke feature on each end sidewall. This prevents incorrect misaligned plugging when utilized with 110-A series plugs.
- 110-M-111 have a small foot print that allows a "in" fit when replacing competitive product. This is especially useful on PCB that are typically completely covered in components. It can be said that misalignment would in principle be prevented by the close components in close proximity.
- Internal features prevent backward insertions
- Installable on PCB assembled as per the wave solder technology specification

Technical Data

Center to Center Spacing: 3.5 mm (0.138 in.)
Recommended Hole Diameter in PC Board:
 1.2 mm (0.047 in.)

Illustration

Approval Information

UL File No.E69841
 CSA File No.LR24322

Rating	Current(A)	Voltage(V)	Application group	AWG
UL	8	300	B,D	
CSA	8	300	B	

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: 0.8 x 0.8 mm (0.03 x 0.03 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. These coding keys are visible from the exterior, through slots in the header. Correct keying requires the removal of corresponding keying nibs from the 110-A plugs.

Item **110-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)
- 17.6MM: Solder Pin length of 17.6 mm

Note: Plated component: solder pin

Ordering Note: Version with 7 mm spacing (110-M-112 /-212).

Accessories

110-M-	POKA-YOKE FEATURE: without: 1 with: 2 _____	11/	POLES: 02 to 24 _____
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