

Plug-in Screw Connector System for Printed Circuit Boards

TYPE 110-P-111 /-211

3.5 mm spacing - 4 to 48 poles



Series	Download PDF	3D Model	Can plug with	How to order	Color specifications	Print
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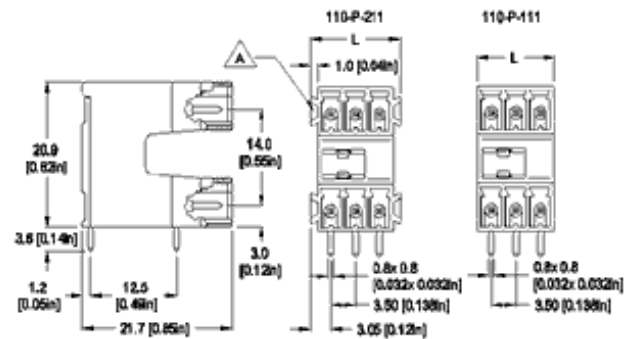
110-P-211



One assembly



RoHS WEEE Pb free compliant



Dimensions: mm (in.)

Length of Connector (L)

$$110-P-111: L = (\text{No. of Poles} \times \text{Center to Center Spacing} / 2) + 0.6 \text{ mm}$$

$$110-P-211: L = (\text{No. of Poles} \times \text{Center to Center Spacing} / 2) + 2.6 \text{ mm}$$

(A) Poka-Yoke feature

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

Description

Types 110-P-111 /-211 terminal blocks have been specially designed to allow effective potting of PC boards when terminal block is mounted on PCB edge and wire clamping area is facing outside of the board.

- Header
- Double level (rows on same level)
- Plug-In Direction and Wire Entrance Parallel to PCB when plugged with **110-A-111**, **110-A-IDC**, **110-FP3-211**
- 110-P-211 is equipped with a poka-yoke feature on each end sidewall. This prevents incorrect misaligned plugging when utilized with 110-A series plugs. Internal features prevent backwards insertion.

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

- 110-P-111 have a small foot print that allows a "dropin" 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

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



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.

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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

How to order

Item 110-P-111 /-211

Options

- 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: Version with 7 mm spacing (110-P-112 /-212).

110-P-	POKA-YOKE FEATURE: without: 1 with: 2	POLES: 04 to 48
	11/	

Request sample

Request quote

Quantity

Accessories

[BST Self Adhesive Marking Strips.](#)
[Consecutively numbered.](#)

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