

Plug-in Screw Connector System for Printed Circuit Boards

TYPE 110-A-111

3.5 mm spacing - 2 to 24 poles



Series	Download PDF	3D Model	Can plug with	How to order	Color specifications	Print
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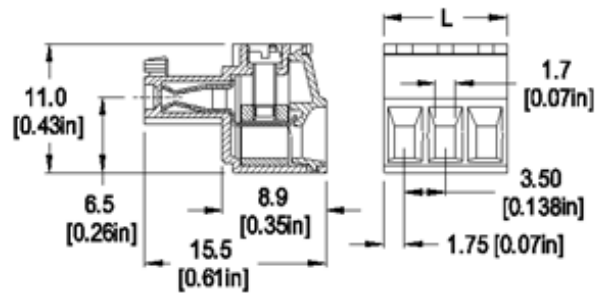
110-A-111



One possible variation of assembly



RoHS WEEE Pb free compliant



Dimensions: mm (in.)

Length of Connector (L)

L = No. of Poles x Center to Center Spacing

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

Approval Information

UL File No.E69841

CSA File No.LR24322



Rating	Current(A)	Voltage(V)	Application group	AWG
UL	8	300	B,D	30-16
CSA	8	300	B	30-16

Screw Tightening Torque:

UL: 1.8 lbf·in

CSA: 0.2 Nm

International Approvals:



Rated Impulse Withstand Voltage: 2500 V

Description

- Plug
- Plug-In Direction and Wire Entrance Parallel to PCB when plugged with **110-M-211**, **110-P-211**, **110-S-211** and **110-M-211-THR**
- Plug-In Direction and Wire Entrance Perpendicular to PCB when plugged with **110-M-221**, **110-M-221-THR**, **110-P-221** and **110-S-221**
- Plug-In Direction and Wire Entrance 45° to PCB when plugged with **110-V-211**
- End-to-end stackable while maintaining the 3.5 mm spacing
- Elevator style of wire clamping mechanism ensures reliable wire contact

Technical Data

Material

Center to Center Spacing: 3.5 mm (0.138 in.)

Nominal Cross Section:

1.5 mm² (2325 mils²)

Wire Stripping Length: 6 mm (0.25 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.

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%

Terminal Body: Nickel plated copper alloy

Wire Protector and Contact Spring: Tin plated copper alloy

Screw: M2, Tin plated copper alloy

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How to order

Item 110-A-111

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)

SRF: Strain Relief (available for 5 to 10 poles only)

Note: Plated component: contact spring

Ordering Note: Version with 7 mm spacing (110-A-112).

110-A-111/

POLES:
02 to 24

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Quantity

Accessories

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

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