



Plug-in Screw Connector System for Printed Circuit Boards

TYPE 110-A-111

3.5 mm spacing - 2 to 24 poles



Distributor Stock Check



110-A-111



One possible variation of assembly



RoHS WEEE Pb free surface compliant

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

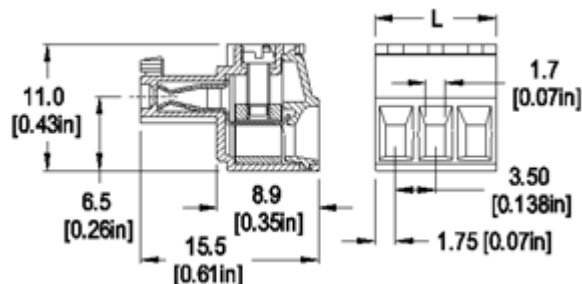
Center to Center Spacing: 3.5 mm (0.138 in.)

Nominal Cross Section:

1.5 mm² (2325 mils²)

Wire Stripping Length: 6 mm (0.25 in.)

Illustration



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

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%

Terminal Body: Nickel plated copper alloy

Wire Protector and Contact Spring: Tin plated copper alloy

Screw: M2, 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-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).

Accessories

POLES:
02 to 24

110-A-111/