



## Power connectors for printed circuit boards

## TYPE 159-A-111 / -211

0.5 in. spacing - 1 to 12 poles

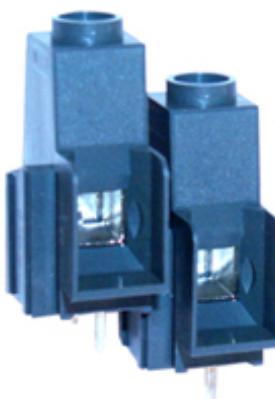


Distributor Stock Check

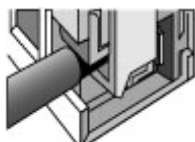
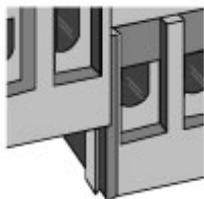
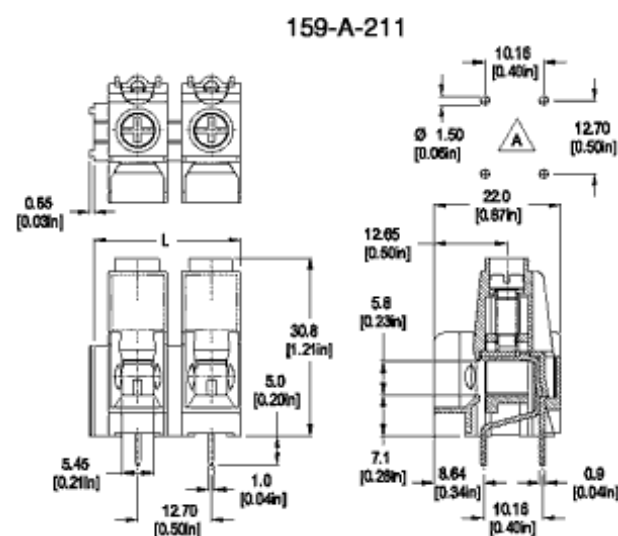
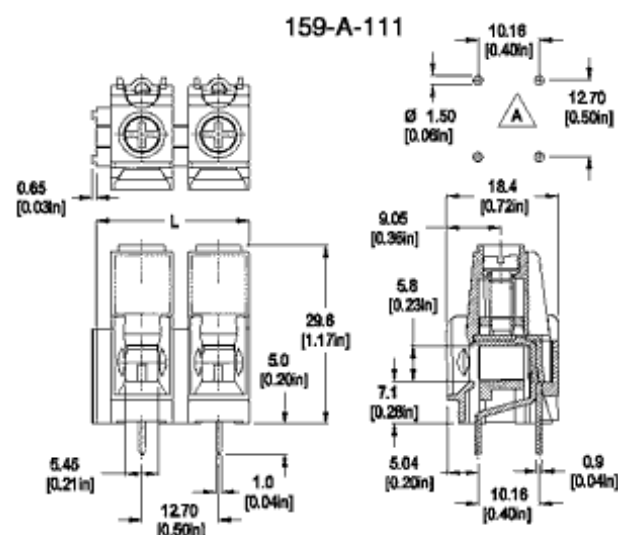
| Series | Download PDF | 3D Model | Can plug with | How to order | Color specifications | Print |
|--------|--------------|----------|---------------|--------------|----------------------|-------|
|--------|--------------|----------|---------------|--------------|----------------------|-------|



159-A-111



159-A-211

Elevator Style  
ClampingDovetail  
Interlocking  
Feature2 Solder Pins per  
Pole

Dimensions: mm (in.)

Length of Connector (L)

L = No. of Poles x Center to Center Spacing

(A) PCB hole layout

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



RoHS WEEE Pb  
free compliant

## Description

The 159-A series is built in two versions. 159-A-111 is a 18.4 mm profile version and 159-A-211 is a 22 mm profile version. The extended barrier walls on the front of 159-A-211 add an extra finger protection. Universal Pozidriv screws enhance torque. Suitable for pozidriv, phillips, blade and robertson screw drivers. Performance varies depending on screw driver tip type, size and wear.

- power connector
- Dovetail version
- Wire entrance parallel to PC Board
- With test holes
- 2 PCB Pins per pole
- Elevator-style clamping mechanism
- 2 PCB pins per pole confer equal current flow distribution

## Technical Data

**Center to Center Spacing:** 12.7 mm (0.500 in.)

**Nominal Cross Section:**

16 mm<sup>2</sup> (24793 mil<sup>2</sup>)

**Wire Stripping Length:** 10.5 mm (0.410 in.)

**Recommended Hole Diameter in PC Board:**

1.5 mm (0.60 in.)

## Application

The 158-A and 159-A series address the field application of power interconnect: power supply units for industrial controllers, power controllers, power converters, motor controls, AC drives, and spa controls.

## Approval Information

UL File No.E69841

| Rating    | Current(A) | Voltage(V) | Application group | AWG  |
|-----------|------------|------------|-------------------|------|
| UL<br>CSA | 60         | 600        | B,C,D             | 20-6 |

\* UL Group D: voltage: 300V current: 10A AWG: 20-6

## Screw Tightening Torque:

UL: 11.5 lbf·in

**Rated Impulse Withstand Voltage:** 8 Kv

## Material

**Molding:** Rigid polyamide, self extinguishing UL 94, V-0, color grey

### Temperature limits:

**Short Time:** 140°C (284°F)

**Continuous:** RTI 120°C (248°F)

**Low Limit:** -40°C (-40°F)

**Comparative Tracking Index:** CTI > 600

**Oxygen Index Rating:** 33%

**Terminal Body:** Nickel plated copper alloy

**Screw:** M4, Cross slotted head (Pozidriv, Z2 type), zinc plated blue passivated, steel substrate

**Solder Pin:** 0.9 x 1.0 mm (0.035 x 0.039 in.), Tin plated copper alloy (E-CU)

Top of page

## How to order

**Item** 159-A-111 / -211

### Options

CN: Consecutive Numbering (hot stamped numbers)

SM: Special Marking (please provide sketch)

**Request sample**

**Request quote**

Quantity

### Accessories

EXTENDED BARRIER WALLS:  
Without: 1 With: 2

POLES:  
01 to 12

159-A-

11 /

**Add to shopping cart**