

### Screw Connectors for Printed Circuit Boards

152-A-111 /-211 | 7.50 mm (0.296 in) Spacing - 2, 3 poles

## PICTURES



152-A-111

## TECHNICAL INFORMATION

### Description

Wire entrance parallel to PC Board

Dovetail version

Elevator-style clamping mechanism

The 2 and 3 poles units can be factory, field or distributor assembled to almost any number of poles.

152-A-111: 2.3 mm test holes

152-A-211: test slots (opened back, metal part exposed)

### **Technical Data**

Center to Center Spacing: 7.500 mm (0.296 in) Nominal Cross Section: 2 x 2.5 mm<sup>2</sup> (2 x 3874 mils<sup>2</sup>) solid wire 1 x 4 mm<sup>2</sup> (1 x 6199 mils<sup>2</sup>) stranded wire mm<sup>2</sup> (3100 mils<sup>2</sup>) Wire Stripping Length: 8.000 mm (0.315 in) Recommended Hole Diameter in PC Board: 1.400 mm (0.055 in)

#### **Bill of Materials**

Molding : Polyamide, Self extinguishing UL 94, V-0 Color : Grey Temperature limits : Short Time : 140°C (284°F) Continuous : 105°C (221°F) Low Limit : -40°C (-40°F) Comparative Tracking Index : CTI ? 600 V Oxygen Index Rating : 33 %

Terminal Body: Nickel plated copper alloy Solder Pin and Pressure Plate: Tin plated copper alloy Screw: Slotted head, zinc plated blue passivated, steel substrate M3 Solder Pin: 1.0 mm x 0.8 mm (0.04 in. x 0.03 in.)

# WECO APROVAL INFORMATION

®

## UL File No. E69841 | CSA File No. LR24322

	Туре	Current (A)	Voltage (V)	Application	AWG	Screw Tightening
				Group		Torque
977	152-A-111 /-211	20	300	В	22-10	4.5 lbfin
	7.5 mm	10	300	D	22-10	4.5 lbfin
SP:	152-A-111 /-211	20	300	В	26-10	0.51 lbfin
	7.5 mm	10	300	D, E	26-10	0.51 lbfin

UL: 24-26 AWG range for factory wiring only.

**Internationl Approval Information** 

Rated Impulse Withstand Voltage :  $6000 \ \rm V$ 



## page 3/4

## TECHNICAL DRAWING



## **Description :**

Length of Connector (L) L = No. of Poles x Center to Center Spacing (A) Test Hole (B) Test Slot





E





### **Terminal Blocks for Printed Circuit Boards**

These blocks use an elevator-style clamping mechanism with an extra large clamping area. This mechanism provides high contact pressure, great resistance to loosening due to vibration and allows an almost unlimited number of connections/disconnections. The increased creepage values provide a 20A current rating.

The blocks use captive screws to prevent loss of the screws due to vibration. They are manufactured as dovetail-type products and are supplied in 2 and 3-pole versions to provide the needed number of connections while maintaining center-to-center spacing. This allows for savings in inventory and reduces delivery times.

Types 150-A-111 and 150-C-111 provide a hole for a 2.3 mm (0.09 in.) test plug.Types 150-B-151 and -B-153 provide dual-level high density wiring capacity the 150-C-111's 45-degree wire entry allows the use of this connector anywhere on the board. They provide a 5 mm center-to-center spacing.

The 152-A-211 (horizontal wire entry) and 152-A-221 provide 7.5 mm center-to-center spacing along with the same vibration-proof clamping mechanism.

Each product has a "How To Order" area as well as a complete listing of UL and CSA approval specifications, available options and accessories.