



Screw and Tab Connectors for Printed Circuit Boards



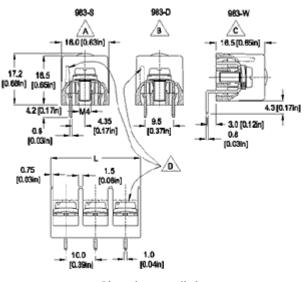


#### Description

- Barrier strip connector
- With or without back barrier
- 1 or 2 PCB Pins per pole
- Allows two wires of the same size per contact from either direction
- Block is offered with or without back barrier (see How to Order (Z) for more detail)

### **Technical Data**

Center to Center Spacing: 10 mm (0.394 in.) Nominal Cross Section: 2 x 2.5 mm<sup>2</sup> (2 x 3874 mils<sup>2</sup>) Wire Stripping Length: 8.5 mm (0.33 in.) Recommended Hole Diameter in PC Board: 1.3 mm (0.051 in.)



Dimensions: mm (in.)

Length of Connector (L) L = No. of Poles x Center to Center Spacing (A) 1 pin per pole (B) 2 pins per pole (C) 1 pin per pole (D) Version Z have back barriers

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

# **Approval Information**

UL File No.E69841 **N** CSA File No.LR24322

Rating	Current(A)	Voltage(V)	Application group	AWG
UL	20	300	B,C	20-12
CSA	20	300	B,D,E	22-10

\* AWG 22-18 recommend the sems slotted head in the options

#### Screw Tightening Torque: UL: 10.0 lfbin

CSA: 1.13 Nm Rated Impulse Withstand Voltage: 6000 V

# Material

Molding: Polyamide, UL 94, V-2, 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: 25%

**Terminal Body:** Tin plated copper alloy **PCB Pin:**  $0.8 \times 1.0 \text{ mm} (0.03 \times 0.04 \text{ in.})$ , Tin plated copper alloy **Screw and Washer:** M4, Nickel plated, steel, combi sems screws

Item	983- (Z) S /D /W
Options	CN: Consecutive Numbering (hot stamped numbers)
	SM: Special Marking (please provide sketch)
	PS: Clear Chromate Passivated, zinc plated, Steel Screws
G05: Gold Plating (5 micro inches)	
	G30: Gold Plating (30 micro inches)
	S30: Silver Plating (30 micro inches)
	10MM: Solder Pin length of 10 mm (0.39 in.)
	MH: With Mounting holes (for covers)
	CS: Captive Screws
	YC: Slotted head, zinc plated blue passivated, steel substrate
Note: Plated component:	terminal body 10MM for Types 983-S /-D only

Accessories

	BACK BARRIER: with: Z	WIRE ENTRY: Parallel (1 pin per pole): S Parallel (2 pins per pole): D Perpendicular (1 pin per pole): W	POLES: 02 to 26
983-		/	