



Product Number: 931-SLS/10

Plug-in Screw Connector System for Printed Circuit Boards

Type 931-SLS

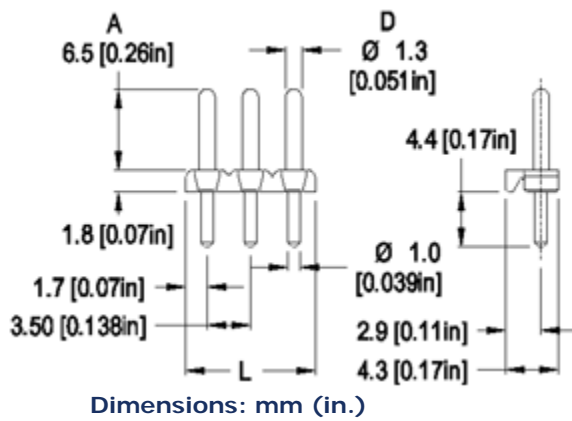
3.5 mm spacing – 2 to 16 poles



931-SLS



One possible variation of assembly



Length of Pinstrip (L)

$L = \text{No. of Poles} \times \text{Center to Center Spacing}$

Other options:

In Ø1.10 mm diameter (D), the following protruding lengths (A) are available: 7.8, 10.3, 11.0, 11.7, 11.9, 12.5, 14.2, 14.7 and 15.7 mm.

In Ø1.30 mm diameter (D), the following protruding lengths (A) are available: 6.5, 7.2, 7.7, 7.8, 8.5, 10.5, 11.0, 16.5, 19.8, 21.5, 22.0 and 29.0 mm.

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

### **Description:**

- Pinstrip
- Plug-In Direction Perpendicular to PCB and Wire Entrance Parallel to PCB when plugged with 930-FL (-DS), 938-FL (-DS)

### **Technical Data:**

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

**Recommended Hole Diameter in PC Board:**

1.3 mm (0.051 in.) for 1.0 mm (0.039 in.) pin (standard) 1.4 mm (0.055 in.) for 1.1 mm (0.043 in.) pin (limited options) 1.6 mm (0.063 in.) for 1.3 mm (0.051 in.) pin (limited options)

### **Application:**

This can be plugged with the 930-FL (-DS) or 938-FL (-DS). Entry of the pin can be on top side or on the bottom of these plugs. You can stack the plug on top of each other when used with extra long pins on the 931-SLS strips. You can choose your pin length depending on the insertion forces or extraction forces required.

### **Material:**

**Molding:** PBT GF (glass fiber reinforced), self extinguishing UL 94, V-0, color black

**Temperature limits:**

**Short Time:** 200°C (392°F)

**Continuous:** RTI 105°C (221°F)

**Low Limit:** -40°C (-40°F)

**Comparative Tracking Index:** CTI > 175

**Oxygen Index Rating:** 32%

**Solder Pin:** Solder side: Ø 1 mm (0.039 in.) or Ø1.1 (0.043 in.), plug-in side: Ø1.1 mm (0.043 in.) and Ø 1.3 mm (0.051 in.), Tin plated copper alloy