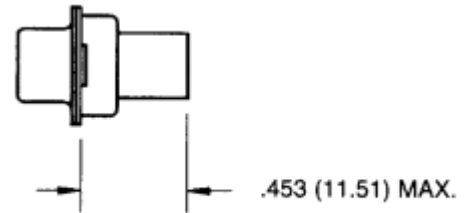


**Professionally approved products.**

## Datasheet

# RS Straight Crimp D-Sub Connector Housing, Socket, 9 Way

RS Stock number [481-099](#)



## Features

### **Contacts**

Available with gold flash un. Gold plating.

Offered in 15,000 contact reel , 300 contact reel or in lose piece bags of 100 or 1000 each.

Accommodate 2-24 AWG wire or 26-30 AWG wire

Not included with connector – order stamped contacts separately

### **Approvals**

UL recognised – Files E170218 (UL1997 and E130965 ( UL1863)

CSA approved – File LR31996

## **Professionally approved products.**

### **Datasheet**

#### **Materials**

Insulator Material: Glass filled nylon (black) UL 94 V-O rated

Connector Shell: Steel with zinc plating and yellow chromate finish or tin plating (plug has grounded indents)

Contact material: Plug- Brass , Socket – Phosphor bronze (stamped)

Contact Plating: Gold flash or 30uin. Gold in mating area and gold flash on the remainder. All over nickel .

4-40 Clinch Nut – Steel with cadmium plating and yellow chromate finish

Dual Float Bushing: Stainless steel, passivated.

#### **Environmental**

Operating Temperature: -65°C to +125°C

Shock:50G peak per MIL-STD-202, Method 213, Condition G

Vibration: 12 cycles in three perpendicular directions @ 10-12000Hz, per MIL-STD 202, Method 204, Condition D

Moisture Resistance: 90-95% relative humidity @ 40C for 96 hours per MIL-STD-202, Method 103

#### **Electrical**

Withstanding Voltage: Minimum 1000V RMS @sea level

Current Rating: 5Amps

Contact Resistance: 2.7 milliohms maximum

Insulation Resistance: 5000 megohms maximum (initial)  
1000 megohms (minimum)  
After environmental testing

#### **Mechanical**

Individual contact insertion and separation force (min/max):  
0.7oz./12oz

Durability: 500 mating cycles