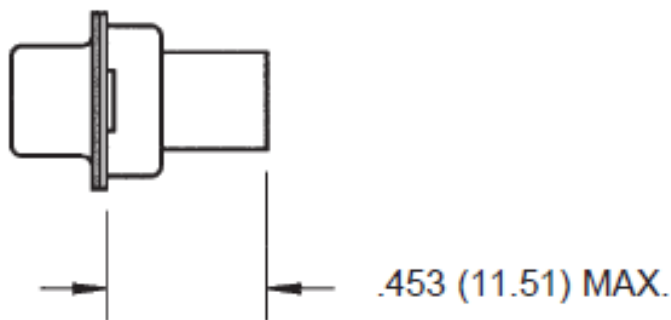


## Datasheet

# RS Straight Crimp D-Sub Connector Housing, Plug, 15 Way

RS Stock [481-055](#)



## Specifications

Available with gold flash or 30uin. Gold plating

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

Accommodate 20-24 AWG wire

Not included with connector – order stamped contacts separately.



## Electrical

<b>Withstanding Voltage:</b>	Minimum 1000V RMS @ sea level
<b>Current Rating:</b>	5 Amps
<b>Contact Resistance:</b>	2.7 milliohms maximum
<b>Insulation Resistance:</b>	5000 megohms maximum (initial); 1000 megohms (minimum) after environmental testing

## Mechanical

**Individual Contact Insertion and Separation Force (minimum/maximum):** 0.7 oz./12 oz.  
**Durability:** 500 mating cycles

## 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 @ 10-2000Hz, per MIL-STD-202, Method 204, Condition D  
**Moisture Resistance:** 90-95% relative humidity @ 40°C for 96 hours per MIL-STD-202, Method 103

## 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 grounding indents)  
**Contact Material:**

- Plug - Brass (stamped)
- Socket - Phosphor bronze (stamped)

**Contact Plating:** Gold flash or 30µin. 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

## Termination Tools

- Semi-Automatic Stripper Crimper Tool for 15K reels: #GSC-20-30. See page 4-102.
- Contact Insertion/Extraction Tool: #CIET-20-HDB. See page 4-101.
- Crimp Contact Hand Tool for 300-piece reels: #GHC-B (20-26 AWG wire) or Catalog #GHC-B1 (28-30 AWG wire). See page 4-101.
- Crimp Contact Hand Tool for loose piece contacts: #HTD-544. See page 4-101.