

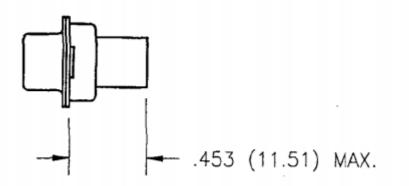
# ENGLISH

# Datasheet

2.29mm Pitch 15 Way Straight Cable Mount Mount PCB D-sub Connector, Plug, with 3.05 mm mounting holes RS Stock 481-459



**Dimensions: (mm)** 



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#### Features

1.5 Density means the connector uses small size #22 contacts for a higher pin count in a standard size shell. Also accepts standard D-Subminiature accessories (hoods, backshells, etc)
Offered in cable plugs and right-angle PCB mount sockets
Metal shell provides grounding and shielding capability
Approvals:

**ENGLISH** 

Plugs

- UL recognised Files E19071 (UL498) & E130965 ( IL1863
- CSA approved File LR31996-7

Sockets

• UL recognised – File E170218

#### Materials

- Connector shell: Steel with tin plating grounding indents on plug)
- Contact Material: Phosphor Bronze (stamped)
- Contact Plating:

Sockets: Gold flash or 30uin. Gold in mating area and tin/lead on tails. All over nickel Plugs: Gold flash or 30uin. Gold in mating area and gold flash on remainder. All over nickel

#### **Environmental:**

- Operating temperature: -55°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-STF-202, Method 103

## Electrical

- Withstanding Voltage@: Minimum 1000V RMS @ sea level
- Current Rating: 3 Amps
- Contact Resistance: 15 milliohms maximum
- Insulation Resistance: 5000 megohms maximum

1000 megohoms minimum after environmental testing

## **Mechanical:**

- Individual Contact Insertion and separation force (min/max) 0.7 oz./12oz.
- Durability: Plugs / Sockets 200 mating cycles

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