

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)





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:

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 megohms minimum after environmental testing

Mechanical:

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