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	1343038	390262-2 TYCO ELECTRONICS / AMP	Farnell InOne	IC SOCKET, DIL 0.6's 28 WAY; Case style:DIL; Ways, number of:28; Pitch, row:15.24mm; Pitch, lead:2.54mm; Approval Bodies:UL; Contact style:Dual Wipe; Dielectric strength, VAC:1000V; Length / Height, external:5.33mm; Mater		In Stock	Alternative	£0.44	1	<input type="text" value="1"/>

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General Information

DIP Socket with Four-Fingered Contact and Open Insulator



Product Facts

- Precision four-finger inner contact provides concentric funnel entry for easy flat and round lead insertion
- "X" and "Y" Stackable. Open ladder for cooling, cleaning and inspection. Low profile
- Accommodates 8 through 64 pin DIPs, rectangular or round IC leads
- Non-wicking, closed bottom sleeve gives 100% protection against flux and solder contamination. Choice of solderless wrap or PC termination
-  Recognized under the Component Program of Underwriters Laboratories, Inc. file No. E111362
- Beryllium copper inner contact for maximum mechanical and electrical performance
- Machined (Premium Series) and stamped (Economy Series) contacts are available

Description

The 800 Series socket combines precision four-fingered inner contacts with an open ladder insulator to produce the ultimate high-reliability socket.

Application Dimensions:

PCB Thickness Range:

Standard 1.57 [.062] and 2.34 [.092]

PCB Hole Size Range:

0.89 [.035] + 0.05 [.002] PC Tail

1.40 [0.55] \pm 0.08 [.003] Solderless Wrap

IC Pin Dimension Range:

0.23 [.009] x 0.38 [.015] through 0.28 [.011] x 0.51 [.020]

0.41 [.016] to 0.53 [.021] round lead, 2.67 [.105] minimum length

Material Specifications:

Insulator:

Thermoplastic polyester, UL rated 94V-0

Sleeve:

Machined brass

Contact:

Beryllium Copper

Sleeve Plating:

Tin/lead or gold

Contact Plating:

Premium (gold)

Economy (ES) (tin/lead)

Economy (ESL) (low gold)

Performance Specifications

Mechanical

Vibration:

Passed MIL-STD-1344, Method 2005.1, Condition II, 10 G's.

Shock:

Passed MIL-STD-1344, Method 2004.1, Condition C, 100 G's.

Durability:

Passed MIL-STD-1344, Method 2016

Normal Force:

125 Grams (4.4 oz.) average with a 0.46 [.018] polished steel pin (Premium Series)

200 Grams (7.1 oz.) average with 0.46 [.018] diameter polished steel pin (Economy Series)

Inner Contact Retention:

7.5 lbs. per line average

Sleeve Retention in Plastic:

3.0 lbs. per line minimum

Solderability:

Passed MIL-STD-202F, Method 208

Insertion Force:

Premium - 134 grams (4.7 oz.) average with a 0.46 [.018] diameter polished steel pin

Economy - 179 grams (6.3 oz.) average with a 0.46 [.018] diameter polished steel pin

Withdrawal Force:

63 Grams (2.2 oz.) average with a 0.46 [.018] polished steel pin (Premium and Economy)

Electrical

Contact Resistance:

10 Milliohms maximum

Contact Rating:

3 amps

Capacitance:

1.0 pF per MIL-STD-202, Method 305 (contact to contact)

Insulation Resistance:

5,000 Megohms minimum @ 500 VDC per MIL-STD-1344, Method 3003.1

Dielectric Withstanding Voltage:

1,000 Volts RMS per MIL-STD-1344, Method 3001.1

Environmental

Humidity:

Passed MIL-STD-1344, Method 1002.2, Cond. II

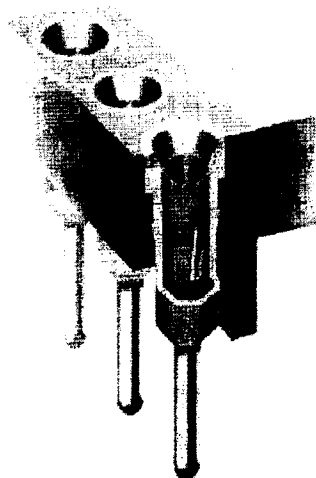
Thermal Shock:

Passed MIL-STD-1344, Method 1003.1, Cond. A

Operation Temperature:

Gold inner contact -55°C to +125°C

Tin/Lead inner contact -55°C to +105°C



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