Series 800 Vertisocket™

w/Collet Contacts for Horizontal Mounting

FEATURES
- DIP Packaging of LEDs, Incandescent Lamps, DIP Switches, Test Points, etc.
- Variations of Mounting Positions provide Exceptional Design Freedom
- Accepts Standard LEDs and Incandescent Displays as well as 0.500 [21.70] and 0.600 [15.24] Tall Displays

GENERAL SPECIFICATIONS
- **STANDARD BODY MATERIAL**: black UL 94V-0 glass-filled 4/6 Nylon
- **SPACER**: fish paper (sockets with “X” 0.300 [7.62] only)
- **PIN BODY**: Brass 360 1/2-hard per UNS C36000 ASTM B16/B16M-05
- **PIN BODY PLATING**: 200µ [5.07µ] min. 93/7 Sn/Pb per ASTM B545—OR—200µ [5.07µ] Sn per ASTM B545 Type 1 over 100µ [2.54µ] min. Ni per SAE AMS-QQ-N-290B
- **4-FINGER COLLET CONTACT**: BeCu per UNS C17200 ASTM B194-08
- **CONTACT PLATING**: 30µ [0.76µ] min. Au per MIL-G-45204 over 50µ [1.27µ] min. Ni per SAE AMS-QQ-N-290B
- **ACCEPTS LEADS**: 0.015-0.025 [0.38-0.64] dia., 0.110-0.150 [2.79-3.81] long
- **CONTACT CURRENT RATING**: 3 amps
- **OPERATING TEMPERATURE**: -67°F to 221°F [-55°C to 105°C]
- **INSERTION FORCE**: 180g/pin, based on 0.018 [0.46] dia. test lead
- **WITHDRAWAL FORCE**: 90g/pin, based on 0.018 [0.46] dia. test lead
- **NORMAL FORCE**: 140g/pin, based on 0.018 [0.46] dia. test lead

MOUNTING CONSIDERATIONS
- **SUGGESTED PCB HOLE SIZE**: 0.035 ±0.002 [0.89 ±0.05] dia.

ORDERING INFORMATION
- **XX-X82 X-90C TL**
- Optional Pin Body Plating
  - **TL = Sn/Pb**
- Display Angle
- **PCB Footprint,Dim. “X”**
  - 0 = 0.100 [2.54]
  - 2 = 0.200 [5.08]
  - 3 = 0.300 [7.62]
- Device Footprint, Dim. “C”
  - 282 = 0.290 [7.36]
  - 482 = 0.400 [10.16]
  - 682 = 0.600 [15.24]
- Pin Count & Spacing, Dim. “C”
  - (See Table)

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Centres “C”</th>
<th>Dim. “D”</th>
<th>Body Style</th>
<th>Available Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.200 [5.08]</td>
<td>0.300 [7.62]</td>
<td>A</td>
<td>6 thru 10</td>
</tr>
<tr>
<td>0.300 [7.62]</td>
<td>0.400 [10.16]</td>
<td>C, B</td>
<td>6 thru 20, 22 thru 40</td>
</tr>
<tr>
<td>0.600 [15.24]</td>
<td>0.700 [17.78]</td>
<td>C, B</td>
<td>4 thru 40, 42 thru 48</td>
</tr>
</tbody>
</table>

**CONTACT DETAIL**

**CONSULT FACTORY FOR OTHER DISPLAY ANGLES**

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