Series 800 Vertisocket™
w/Collet Contacts for Vertical 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

- **BODY MATERIAL**: black UL 94V-0 glass-filled 4/6 Nylon
- **SPACER**: fish paper
- **PIN BODY**: brass 360 1/2-hard per UNS C36000 ASTM B16/B16M-05
- **PIN BODY PLATING**: 200µ [5.08µ] min. 93/7 Sn/Pb per ASTM B545 – OR – 200µ [5.08µ] min. 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
- **CONTACT CURRENT RATING**: 3 amps
- **OPERATING TEMPERATURE**: 221°F [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
- **ACCEPTS LEADS**: 0.015-0.025 [0.38-0.64] in dia., 0.110-0.150 [2.79-3.81] long

MOUNTING CONSIDERATIONS

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

ORDERING INFORMATION

XX
X810-90 C XX

Optional Pin Body Plating
TL = Sn/Pb
Collet Contacts
90° Display Angle
Device Footprint, Dim. “Y”

<table>
<thead>
<tr>
<th>Body Style</th>
<th>Centers “Y”</th>
<th>Dim. “Z”</th>
<th>Available Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.200 [5.08]</td>
<td>0.300 [7.62]</td>
<td>8, 10</td>
</tr>
<tr>
<td>B</td>
<td>0.300 [7.62]</td>
<td>0.400 [10.16]</td>
<td>8, 10, 12, 14, 16</td>
</tr>
<tr>
<td>B</td>
<td>0.400 [10.16]</td>
<td>0.500 [12.70]</td>
<td>8, 10</td>
</tr>
<tr>
<td>B</td>
<td>0.600 [15.24]</td>
<td>0.700 [12.78]</td>
<td>8, 10, 12, 14, 16</td>
</tr>
</tbody>
</table>

*”Y” NO. OF PINS PER ROW x 0.100 [2.54] *

*”Y” NO. OF PINS PER ROW x 0.100 [2.54] *

ALL DIMENSIONS: INCHES [MILLIMETERS]
ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
FOR HORIZONTAL MOUNTING, SEE DATA SHEET 13005
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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