Series 800 Vertisocket™

w/Bifurcated Contacts for Vertical Mounting

FEATURES
- DIP Packaging of LEDs, Incandescent Lamps, DIP Switches, Test Points, etc.
- Variations of Mounting Positions and Pin Configurations provide Exceptional Design Freedom
- Restricted Entry for Contact Protection
- Accepts Standard LEDs and Incandescent Displays as well as 0.500 [12.70] and 0.600 [15.24] Tall Displays

GENERAL SPECIFICATIONS
- STANDARD BODY MATERIAL: black UL 94V-0 4/6 Nylon
- BIFURCATED CONTACTS: Grade A spring-tempered Phosphor Bronze per QQ-B-750
- STANDARD CONTACT PLATING: 10µ [0.25µ] min. Au per MIL-G-45204, over 50µ [1.27µ] min. Ni per QQ-N-290
- PLATING OPTIONS: 200µ min. matte Sn per ASTM B545-97(2004)e1 over 50µ [1.27µ] min. Ni per QQ-N-290 – OR – 200µ min. bright 90/10 Sn/Pb per MIL-T-10727 Type 1 over 50µ [1.27µ] min. Ni per QQ-N-290
- CONTACT CURRENT RATING: 1.5 amps
- OPERATING TEMPERATURE: 221 °F [105°C] Sn and Sn/Pb plating; 257°F [125°C] Au plating
- INSERTION FORCE: 110g/pin average
- WITHDRAWAL FORCE: 75g/pin average
- FLAT LEADS: flat leads up to 0.014 [0.36] thick and 0.020 [0.51] wide
- ROUND LEADS: up to 0.020 [0.51] dia.
- LEAD LENGTHS: 0.075-0.160 [1.91-4.06]

MOUNTING CONSIDERATIONS
- SUGGESTED PCB HOLE SIZE: 0.044 ±0.002 [1.12 ±0.05] dia.

ORDERING INFORMATION

XX-X810-90 XX XX

Optional Rails
WR = Without Rails
Plating Options
T = Sn
TL = Sn/Pb
Display Angle
Series, Dim. “C”
2810 = 0.200 [5.08]
810 = 0.300 [7.62]
6810 = 0.600 [15.24]
No. of Pins
(See Table)

<table>
<thead>
<tr>
<th>Dim. “C”</th>
<th>Dim. “D”</th>
<th>No. of Pins</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.200 [5.08]</td>
<td>0.290 [7.37]</td>
<td>8, 10</td>
</tr>
<tr>
<td>0.300 [7.62]</td>
<td>0.390 [9.91]</td>
<td>8, 14, 16, 18, 20</td>
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<tr>
<td>0.600 [15.24]</td>
<td>0.690 [17.53]</td>
<td>8, 10, 12, 14, 16, 18, 20</td>
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CUSTOMIZATION: ARIES SPECIALIZES IN CUSTOM DESIGN AND PRODUCTION. SPECIAL MATERIALS, PLATINGS, SIZES, AND CONFIGURATIONS CAN BE Furnished, depending on Quantity.
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ALL DIMENSIONS: INCHES [MILLIMETERS]
ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
FOR HORIZONTAL MOUNTING, SEE DATA SHEET 13001
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS