



# Series 800 Vertisocket™ w/Bifurcated Contacts for Vertical Mounting

## FEATURES

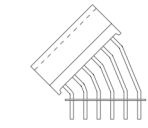
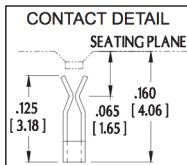
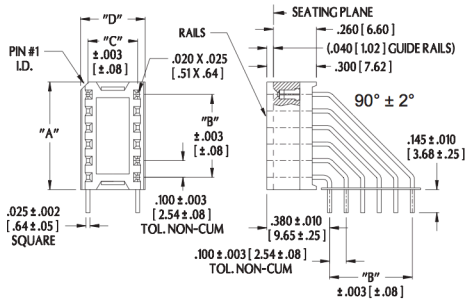
- DIP Packaging of LEDs, Incandescent Lamps, DIP Switches, Test Points, etc.
- Variations of Mounting Positions and Pin Configurations provide Exceptional Design Freedom
- Restricted Entry for Contact Protection
- Accepts Standard LEDs and Incandescent Displays as well as 0.500 [12.70] and 0.600 [15.24]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

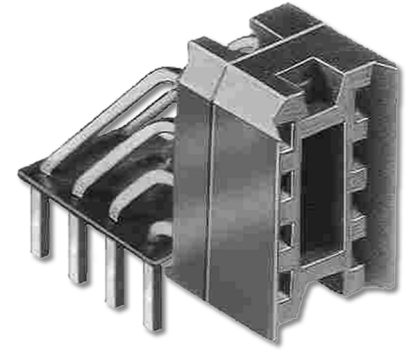
## MOUNTING CONSIDERATIONS

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



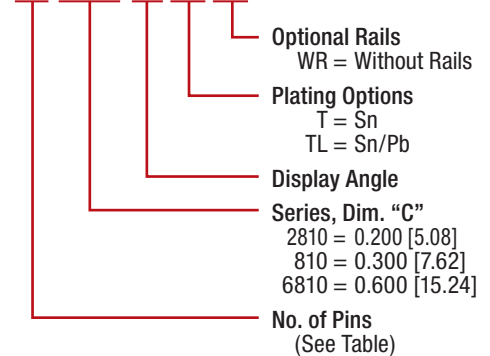
Consult Factory for Other Display Angles

"A" = (NO. OF PINS PER ROW x 0.100 [2.54]) + 0.050 [1.27]  
 "B" = (NO. OF PINS PER ROW - 1) x 0.100 [2.54]



## ORDERING INFORMATION

**XX-X810-90 XX XX**



Dim. "C"	Dim. "D"	No. of Pins
0.200 [5.08]	0.290 [7.37]	8, 10
0.300 [7.62]	0.390 [9.91]	8, 14, 16, 18, 20
0.600 [15.24]	0.690 [17.53]	8, 10, 12, 14, 16, 18, 20

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

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 Rev. 2.4  
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