



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

## FEATURES

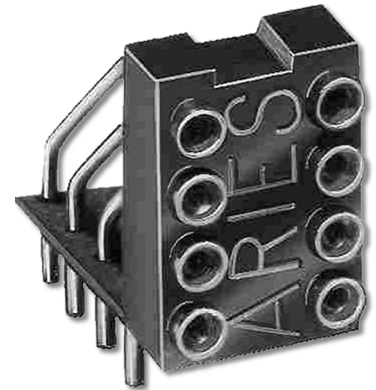
- DIP Packaging of LEDs, Incandescent Lamps, DIP Switches, Test Points, etc.
- Variations of Mounting Positions provide Exceptional Design Freedom
- Accepts Standard LEDs and Incandescent Displays as well as 0.500 [21.70] and 0.600 [15.24] Tall Displays

## 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

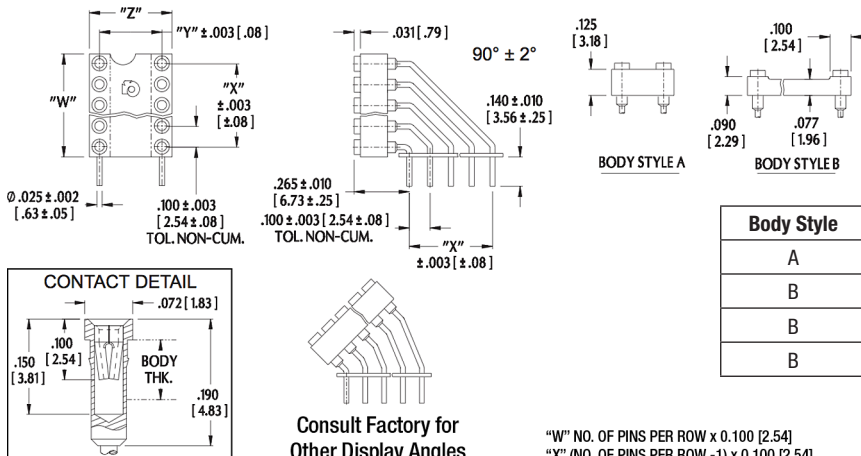
- **SUGGESTED PCB HOLE SIZE:** 0.035 ±0.002 [0.89 ±0.05] dia.



## ORDERING INFORMATION

**XX-X810-90 C XX**

- Optional Pin Body Plating  
TL = Sn/Pb
- Collet Contacts
- 90° Display Angle
- Device Footprint, Dim. "Y"  
2810 = 0.200 [5.08]  
810 = 0.300 [7.62]  
4810 = 0.400 [10.16]  
6810 = 0.600 [15.24]
- Pin Count & Spacing  
(See Table)



| Body Style | Centers "Y"   | Dim. "Z"      | Available Sizes   |
|------------|---------------|---------------|-------------------|
| A          | 0.200 [5.08]  | 0.300 [7.62]  | 8, 10             |
| B          | 0.300 [7.62]  | 0.400 [10.16] | 8, 10, 12, 14, 16 |
| B          | 0.400 [10.16] | 0.500 [12.70] | 8, 10             |
| B          | 0.600 [15.24] | 0.700 [12.78] | 8, 10, 12, 14, 16 |

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

CUSTOMIZATION: ARIES SPECIALIZES IN CUSTOM DESIGN AND PRODUCTION. SPECIAL MATERIALS, PLATINGS, SIZES, AND CONFIGURATIONS CAN BE FURNISHED, DEPENDING ON QUANTITY.

ARIES RESERVES THE RIGHT TO CHANGE PRODUCT GENERAL SPECIFICATIONS WITHOUT NOTICE

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