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

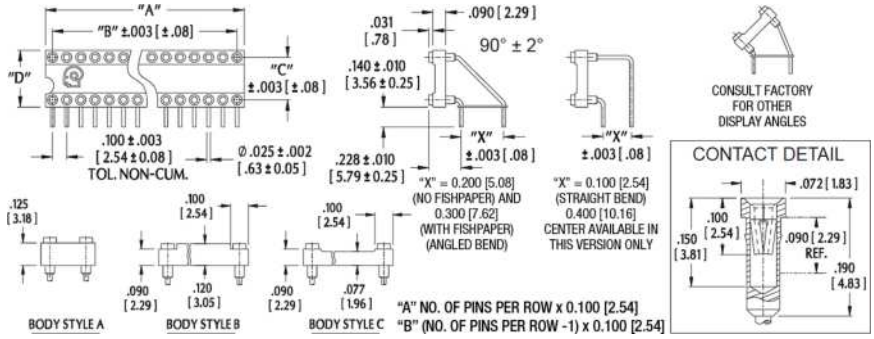
- **SUGGESTED PCB HOLE SIZE**: 0.035 ±0.002 [0.89 ±0.05] dia.

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 = 0.200 [5.08]
  82 = 0.300 [7.62]
  482 = 0.400 [10.16]
  682 = 0.600 [15.24]
- **Pin Count & Spacing**, Dim. "C"
  (See Table)

Centers "C"	Dim. "D"	Body Style	Available Sizes
0.200 [5.08]	0.300 [7.62]	A	6 thru 10
0.300 [7.62]	0.400 [10.16]	C B	6 thru 20 22 thru 40
0.600 [15.24]	0.700 [17.78]	C B	6 thru 40 42 thru 48



ALL DIMENSIONS: INCHES [MILLIMETERS]
ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
FOR VERTICAL MOUNTING, SEE DATA SHEET 13002
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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