



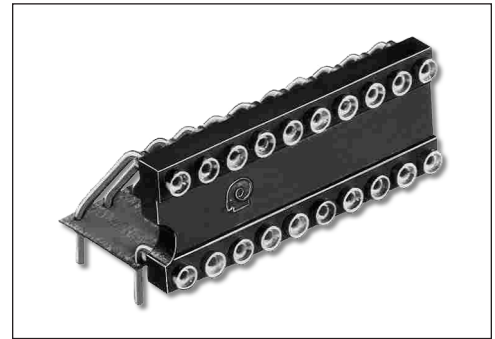
# Series 800 Vertisocket™ Horizontal Mounting w/Collet Contacts

## FEATURES

- Aries offers a full line of Vertisocket™ for DIP packaging of LEDs, incandescent lamps, DIP switches, test points, etc. The 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] high large 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: either 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



**CUSTOMIZATION:** In addition to the standard products shown on this page, Aries specializes in custom design and production. Special materials, platings, sizes, and configurations can be furnished, depending on the quantity. **NOTE:** Aries reserves the right to change product general specifications without notice.

## ORDERING INFORMATION

**XX-X82 X-90C TL**

Pin Count & Spacing  
see Table Dim. "C"

Device Footprint

282: "C" = 0.200 [5.08]  
82: "C" = 0.300 [7.62]  
482: "C" = 0.400 [10.16]  
682: "C" = 0.600 [15.24]

Optional Plating

TL = Sn/Pb Pin Body

Display Angle

PCB Footprint

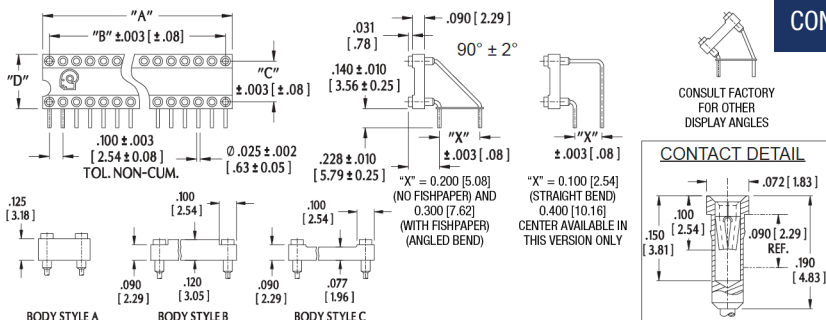
0: "X" = 0.100 [2.54]  
2: "X" = 0.200 [5.08]  
3: "X" = 0.300 [7.62]

## MOUNTING CONSIDERATIONS

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

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
0.400 [10.16]	0.500 [12.70]	C	6 thru 22
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  
"A" # PINS PER ROW x 0.100 [2.54]  
"B" (# PINS PER ROW - 1) x 0.100 [2.54]  
CONSULT **DATA SHEET 13004** FOR VERTICAL MOUNTING VERTI-SOCKETS™  
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS



Bristol, PA 19007-6810 USA  
TEL (215) 781-9956 • FAX (215) 781-9845  
WWW.ARIESELEC.COM • INFO@ARIESELEC.COM



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