



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 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.

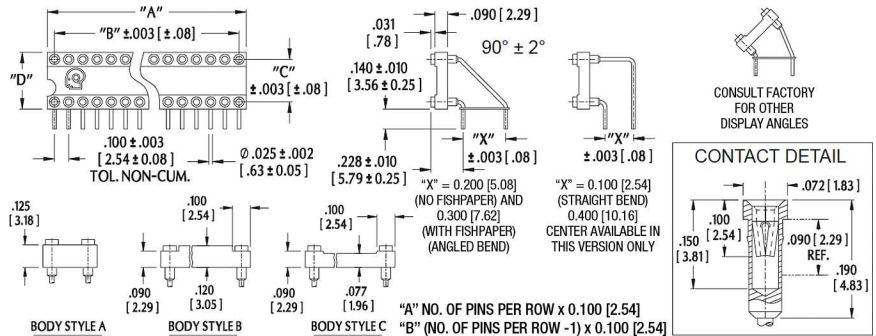


## ORDERING INFORMATION

**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
		C	6 thru 20
0.300 [7.62]	0.400 [10.16]	B	22 thru 40
0.400 [10.16]	0.500 [12.70]	C	6 thru 22
0.600 [15.24]	0.700 [17.78]	C	6 thru 40
		B	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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