



# Series 800 Vertisocket™ DIP Socket w/Bifurcated Contacts for Horizontal Mounting

## FEATURES

- Full line of Horizontal Display DIP Sockets for DIP packaging of LEDs, incandescent lamps, DIP switches, test points, etc.
- Variations of Mounting Position and Pin Configuration 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

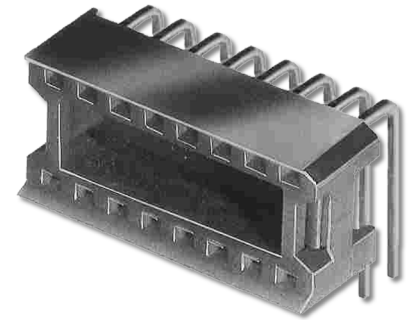
## GENERAL SPECIFICATIONS

- **STANDARD BODY MATERIAL:** black UL 94V-0 4/6 Nylon
- **BIFURCATED CONTACTS:** Grade A spring-tempered Phosphor Bronze per QQ-B-750
- **CONTACT PLATING:** 10μ [0.25μ] min. Au per MIL-G-45204 over 50μ [1.27μ] min. Ni per QQ-N-290 -OR- 200μ min. matte Sn per ASTM B545-97(2004)e1 over 50μ [1.27μ] min. Ni per QQ-N-290 -OR- 200μ [5.08μ] min. bright 90/10 Sn/Pb per MIL-T-10727 Type 1 over 50μ [1.27μ] min. Ni per QQ-N-290
- **SPACER:** Fish paper
- **CONTACT CURRENT RATING:** 1.5 amps
- **OPERATING TEMPERATURE:** 221°F [105°C] Sn & Sn/Pb plating; 257°F [125°C] Au plating
- **INSERTION FORCE:** 110g/pin average
- **WITHDRAWAL FORCE:** 75g/pin average
- **ACCEPTS:** flat leads up to 0.014 [0.36] thick and 0.020 [0.51] wide; round leads up to 0.020 [0.51] dia.
- **ACCEPTS 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 [Data Sheet 13002](#) for Vertical Mounting Vertisocket™ with bifurcated contacts.



## ORDERING INFORMATION

**XX-X82 X-90 XX XX**

Optional Rails  
WR = Without Rails

Plating Options  
T = Sn  
TL = Sn/Pb  
(blank) = Au

Display Angle

Row-to-Row

0: "X" = 0.100 [2.54]

2: "X" = 0.200 [5.08]

3: "X" = 0.300 [7.62]

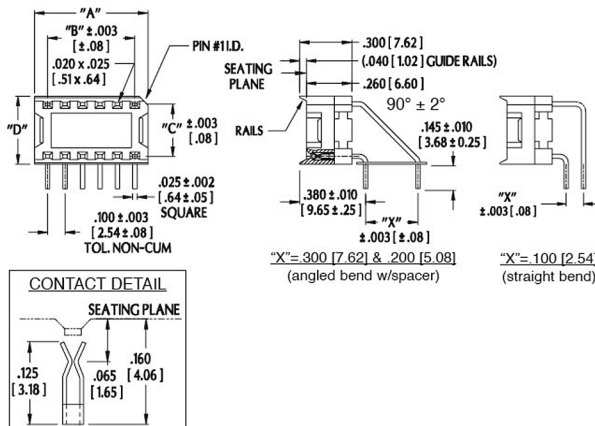
Series

282: "C" = 0.100 [5.08]

82: "C" = 0.300 [7.62]

682: "C" = 0.600 [15.24]

No. of Pins  
(See Table)



| Dim. "D"      | Dim. "X"     | No. of Pins   |
|---------------|--------------|---------------|
| 0.290 [7.37]  | 0.100 [2.54] | 8, 10         |
|               | 0.200 [5.08] |               |
|               | 0.300 [7.62] |               |
| 0.390 [9.91]  | 0.100 [2.54] | 8, 14 thru 20 |
|               | 0.200 [5.08] |               |
|               | 0.300 [7.62] |               |
| 0.690 [17.53] | 0.100 [2.54] | 8 thru 40, 48 |
|               | 0.200 [5.08] |               |
|               | 0.300 [7.62] |               |

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

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**ARIES**  
ELECTRONICS, INC.

2609 Bartram Road • Bristol, PA 19007-6810 USA

TEL 215-781-9956 • FAX 215-781-9845

[WWW.ARIESELEC.COM](http://WWW.ARIESELEC.COM) • [INFO@ARIESELEC.COM](mailto:INFO@ARIESELEC.COM)



13001  
Rev. 5.2  
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