



THE DATASHEET OF
10-2820-90T

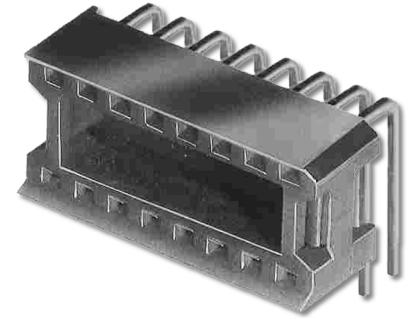




Series 800 Vertisocket™ DIP Socket w/Bifurcated Contacts for Horizontal Mounting

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]

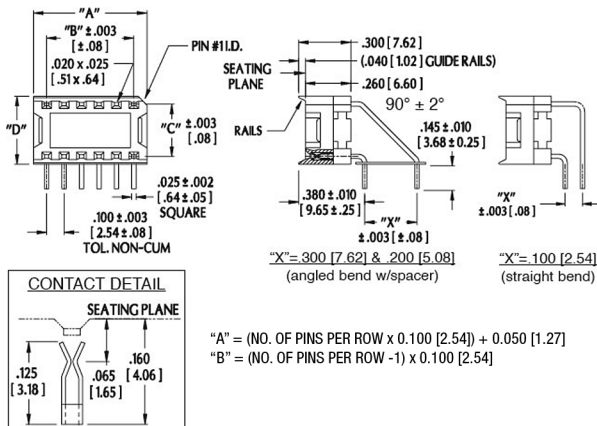
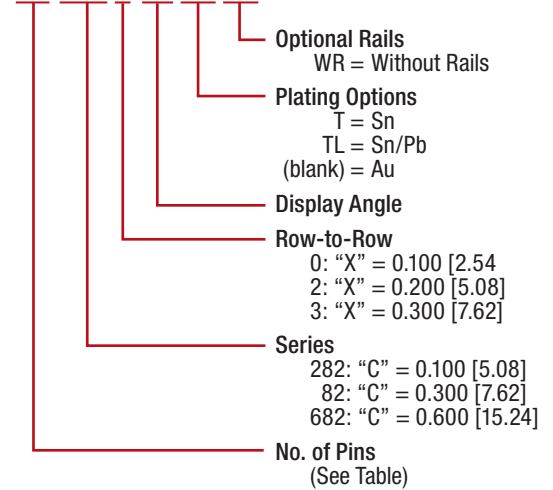
MOUNTING CONSIDERATIONS

- **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



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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