



# Series 810 & 822 Economy Vertisocket™ w/Bifurcated Contacts

## FEATURES

- High-volume Vertical Display Mounting Applications
- Useful for Connection of Board-to-Board Jumpers and DIP Switches, as well as LED Devices

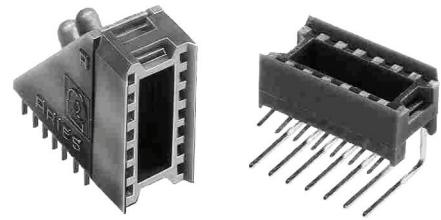
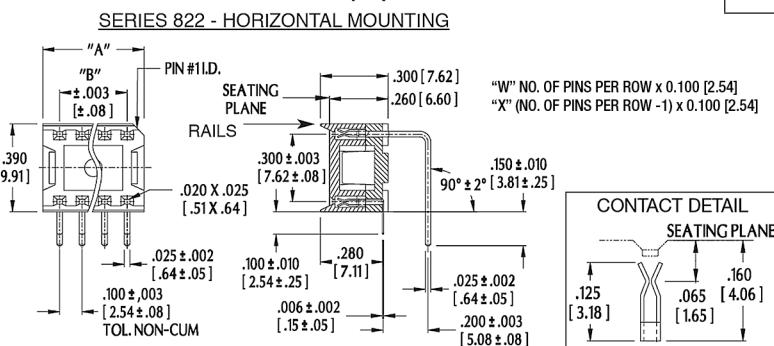
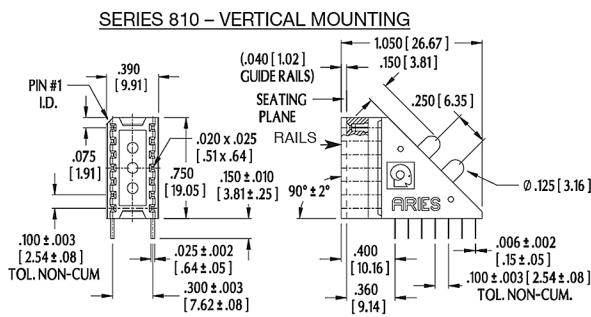
## GENERAL SPECIFICATIONS

- STANDARD BODY MATERIAL: black UL 94 V-0 4/6 Nylon
- BIFURCATED CONTACTS: Grade-A spring-tempered Phosphor Bronze per QQ-B-750
- STANDARD CONTACT PLATING: 50 $\mu$  [1.27 $\mu$ ] min. matte Sn per ASTM B545-97 over 50 $\mu$  [1.27 $\mu$ ] Ni per QQ-N-290 -OR- 90/10 Sn/Pb per MIL-T-10727 Type 1 over 50 $\mu$  [1.27 $\mu$ ] Ni per QQN-290
- CONTACT CURRENT RATING: 1 amp
- OPERATING TEMPERATURE: 221°F [105°C]
- INSERTION FORCE: 110g/pin average
- WITHDRAWAL FORCE: 75g/pin average
- FLAT LEADS: up to 0.014 [0.36] thick and 0.020 [0.51] wide
- ROUND LEADS: up to 0.020 [0.51] dia.
- LEAD LENGTHS: 0.75-0.160 [1.91-4.06] dia.

## MOUNTING CONSIDERATIONS

- SUGGESTED PCB HOLE SIZE

For P/N 14-810-90R = 0.036  $\pm$  0.002 [0.91  $\pm$  0.05] dia.  
For P/N XX-822-90E = 0.044  $\pm$  0.002 [1.12  $\pm$  0.05] dia.



## ORDERING INFORMATION

XX-822-90 E XXXX  
14-810-90R XXXX

Optional Rail & Plating  
WR = Without Rails  
TL = Sn/Pb  
WRTL = Without Rails, Sn/Pb

Economy Version

Display Angle

Series

Pin Count  
(See Table)

Body Style	Dim. "Y"	Dim. "Z"	Pin Count
A	0.450 [11.43]	0.300 [7.62]	8, 10
B	0.750 [19.05]	0.600 [15.24]	8, 10, 12, 14, 16
B	0.850 [21.59]	0.700 [17.78]	8, 10
B	0.950 [24.13]	0.800 [20.32]	8, 10, 12, 14, 16

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES:  $\pm$ 0.005 [0.13] UNLESS OTHERWISE SPECIFIED

FOR HORIZONTAL MOUNTING, SEE DATA SHEET 13005

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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