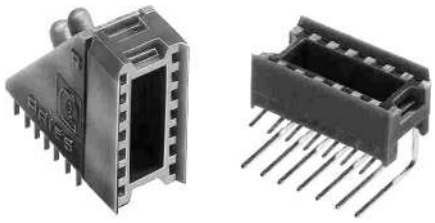
Series 810 & 822 Economy Vertisocket™ w/Bifurcated Contacts

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**: 50µ [1.27µ] min. matte Sn per ASTM B545-97 over 50µ [1.27] Ni per QQ-N-290 **–OR–** 90/10 Sn/Pb per MIL-T-10727 Type 1 over 50µ [1.27] 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.

ORDERING INFORMATION

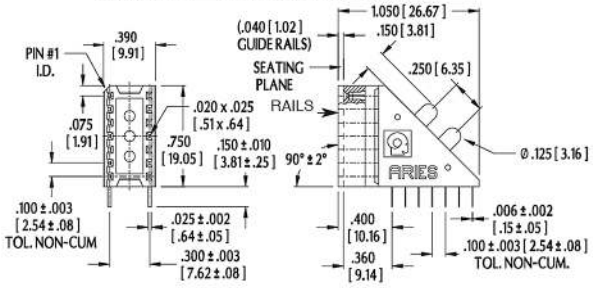
XX-822-90 E XXXX
14-810-90R XXXX

- Optional Rail & Plating
  - WR = Without Rails
  - TL = Sn/Pb
  - WRTL = Without Rails, Sn/Pb
- Economy Version
- Display Angle
- Series
- Pin Count (See Table)

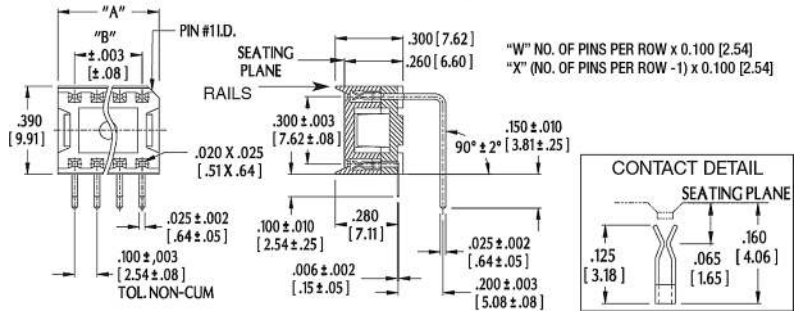
MOUNTING CONSIDERATIONS

- SUGGESTED PCB HOLE SIZE
  For P/N 14-810-90R = 0.036 ±0.002 [0.91 ±0.05] dia.
  For P/N XX-822-90E = 0.044 ±0.002 [1.12 ±0.05] dia.

SERIES 810 – VERTICAL MOUNTING



SERIES 822 - HORIZONTAL MOUNTING



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: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
FOR HORIZONTAL MOUNTING, SEE DATA SHEET 13005
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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