



# Series 800 Vertisockets™ Vertical Mounting with Bifurcated Contacts

## FEATURES:

- Aries offers a full line of Vertisockets™ for DIP packaging of LEDs, incandescent lamps, DIP switches, test points, etc. The 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 .500 [12.70] and .600 [15.24] high large displays.

## SPECIFICATIONS:

- Standard body material is black UL 94V-0 4/6 Nylon.
  - Bifurcated contacts are Grade A spring-tempered Phosphor Bronze per QQ-B-750.
  - Standard contact plating is 10µ [25µm] min. Gold per MIL-G-45204, over 50µ [1.27µm] min. Nickel per QQ-N-290.
- Plating Options:
- "T" = 200µ" min Matte Tin per ASTM B545-97 over 50µ" min. Nickel per QQ-N-290.
  - "TL" = 200µ" min Bright 90/10 Tin/Lead per MIL-T-10727 Type 1 over 50µ" min. Nickel per QQ-N-290.
- Contact current rating=1.5 Amps.
  - Operating temperature=221 °F [105°C] Tin & Tin/Lead plating,  
=257°F [125°C] Gold plating.
  - Insertion Force=110 grams/pin average; Withdrawal Force=75 grams/pin average.
  - Accepts flat leads up to .014 [.36] thick and .020 [.51] wide; round leads up to .020 [.51] in diameter.
  - Accepts lead lengths: .075-.160 [1.91-4.06].

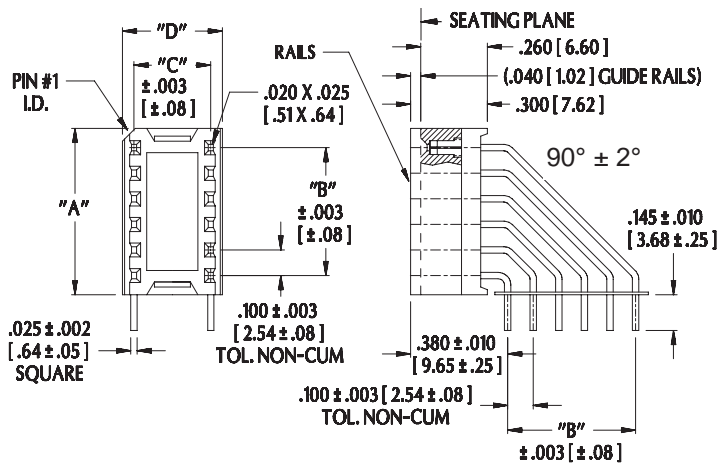
## MOUNTING CONSIDERATIONS:

- Suggested PCB hole size=.044 ± .002 [1.12 ± .05] dia.

All tolerances ± .005 [.13] unless otherwise specified

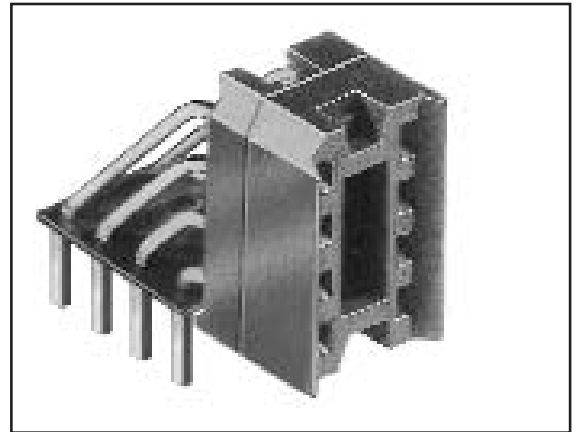
"A"=(NO. OF PINS PER ROW X .100 [2.54]) + .050 [1.27]

"B"=(NO. OF PINS PER ROW - 1) X .100 [2.54]



Consult factory for non-standard sizes

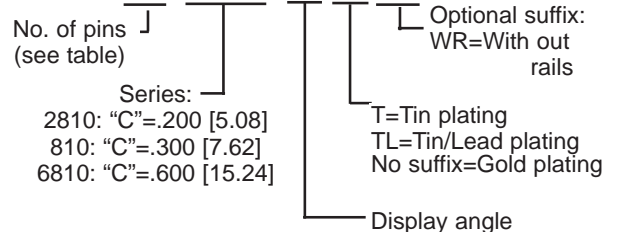
Centers "C"	Dim. "D"	Available Sizes
.200 [5.08]	.290 [7.37]	8, 10
.300 [7.62]	.390 [9.91]	8, 14, 16, 18, 20
.600 [15.24]	.690 [17.53]	8, 10, 12, 14, 16, 18, 20



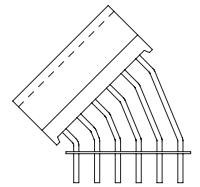
Note: Aries specializes in custom design and production. In addition to the standard products shown on this page, special materials, platings, sizes, and configurations can be furnished, depending on quantities. Aries reserves the right to change product specifications without notice.

## ORDERING INFORMATION

**XX-X810-90XXX**

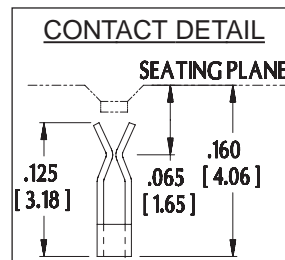


Consult Data Sheet No. 13001 for Horizontal Mounting Vertisockets™ with bifurcated contacts.



Consult factory for other display angles

ALL DIMENSIONS: INCHES [MILLIMETERS]



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