

170 591
170 595

170-591

To 170-597



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 red UL 94-HB Glass-filled Nylon.
- Hi-temp body material is black 94V-0 4/6 Nylon.
- Bifurcated contacts are Grade A spring-tempered Phosphor Bronze per QQ-B-750.
- Contact plating is either 100μ [2.54μm] min. Tin per MIL-T-10727 or 10μ [.254μm] min. Gold per MIL-G-45204, over 50μ [1.27μm] min. Nickel per QQ-N-290.
- Contact current rating=1.5 Amps.
- Operating temperature=221 °F [105°C] Tin 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:

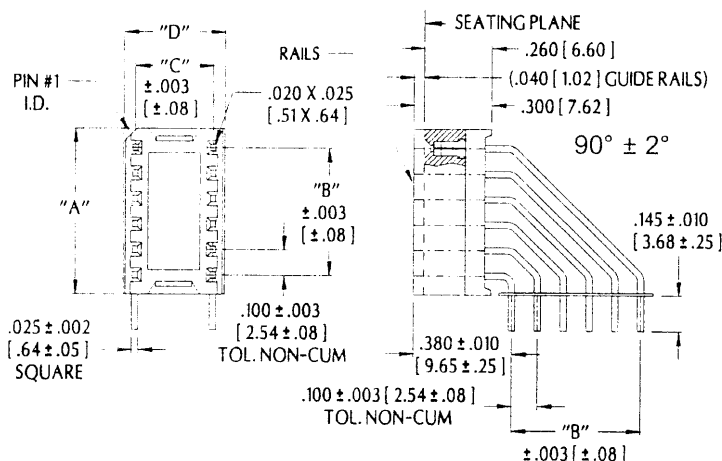
- Suggested PCB hole size=.044 ± .002 [1.12 ± .05] dia.

ALL DIMENSIONS: INCHES [MILLIMETERS]

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

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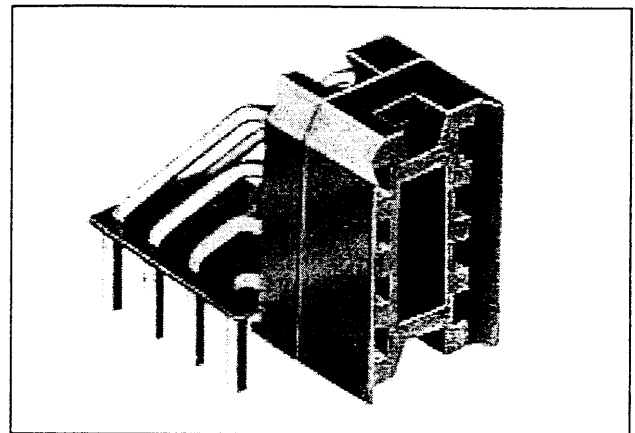
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13002
REV.B



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

No. of pins
(see table)

Series:

2810: "C"=.200 [5.08]

810: "C"=.300 [7.62]

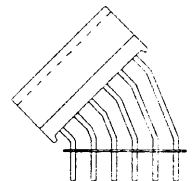
6810: "C"=.600 [15.24]

Optional suffix:
WR=Without rails
V0=UL94V-0 plastic

T=Tin plating
No suffix=Gold plating

Display angle

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



Consult factory for other display angles

CONTACT DETAIL

