



- Aries offers a full line of Vertisockets™ for DIP packaging of LEDs, incandescent lamps, DIP switches, test points, etc. The variations of mounting positions provide exceptional design freedom.
- Accepts standard LEDs and incandescent displays as well as .500 [21.70] and .600 [15.24] high large displays.

- Standard body material is black UL 94HB Glass-filled Nylon.
- High temperature body material is black UL 94V-0 4/6 Nylon.
- Spacer is fishpaper.
- Pin body is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-85.
- Pin body plating is 200μ [5.08 μm] min. 93/7 Tin/Lead per MIL-P-81728 over 100μ [2.54 μm] min. Nickel per QQ-N-290.
- 4-fingered collet contact is Beryllium Copper Alloy per UNS C17200 ASTM-B194-92.
- Contact plating is 30μ [.76 μm] min. Gold per MIL-G-45204 over 50μ [1.27 μm] min. Nickel per QQ-N-290.
- Contact current rating=3 Amps.
- Operating temperature=221°F [105°C].
- Insertion Force=180 grams/pin; Withdrawal Force=90 grams/pin; Normal Force=140 grams/pin; (based on a .018 [.46] diameter test lead).
- Accepts leads .015-.025 [.38-.64] in diameter, .110-.150 [2.79-3.81] in length.

- Suggested PCB hole size=.035 ± .002 [.89 ± .05] dia.

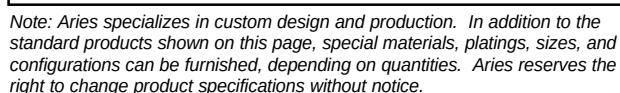
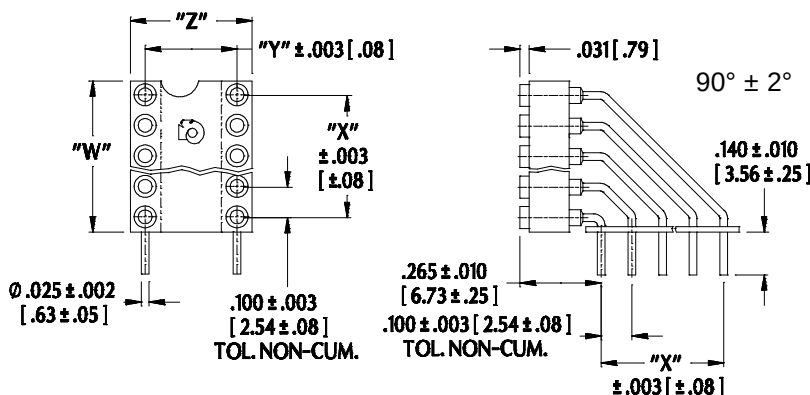
All tolerances $\pm .005$ [.13]
unless otherwise specified

Consult factory for non-standard sizes.

Body Style	Centers "Y"	Dim. "Z"	Available Sizes
A	.200 [5.08]	.300 [7.62]	8, 10
B	.300 [7.62]	.400 [10.16]	8, 10, 12, 14, 16
B	.600 [15.24]	.700 [17.78]	8, 10, 12, 14, 16

"W"=NO. OF PINS PER ROW X .100 [2.54]

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



XX-X810-90CXX

No. of pins
(see table)

Series:

2810: "Y"=.200 [5.08]

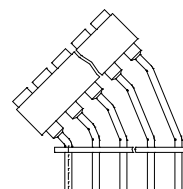
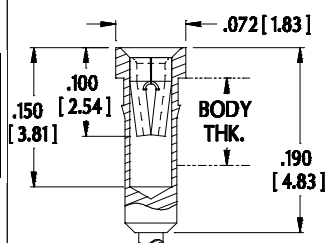
810: "Y"=.300 [7.62]

6810: "Y"=.600 [15.24]

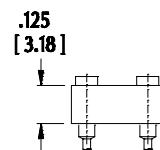
Optional suffix:
V0=UL 94V-0
plastic

- Collet contacts
- 90° display angle

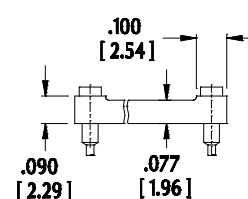
CONTACT DETAIL



Consult factory for other display angles



BODY STYLE A



BODY STYLE B

Consult Data Sheet
No. 13005 for Series
800 Horizontal
Mounting
Vertisockets™.



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