



- 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.

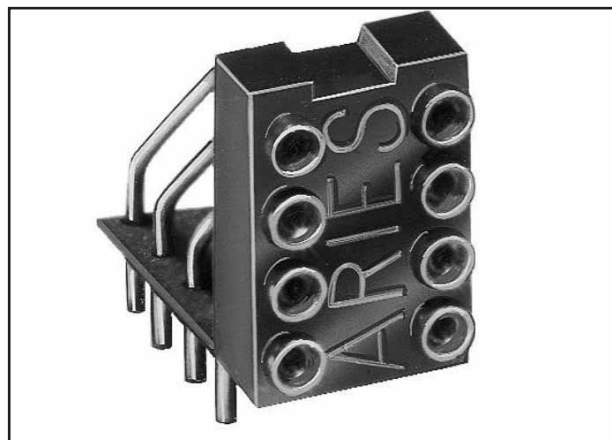
- Body material is black UL 94V-0 Glass-filled 4/6 Nylon.
- Spacer is fishpaper.
- Pin body is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-00.
- Pin body plating is either 200μ [5.08 μm] min. 93/7 Tin/Lead per ASTM B545 or 200μ [5.08 μm] min Tin per ASTM B545 Type1 over 100μ [2.54 μm] min. Nickel per SAE-AMS-QQ-N-290.
- 4-fingered collet contact is Beryllium Copper Alloy per UNS C17200 ASTM-B194-01.
- Contact plating is 30μ [7.6 μm] min. Gold per MIL-G-45204 over 50μ [1.27 μm] min. Nickel per SAE-AMS-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 [.279-.381] in length.

- Suggested PCB hole size = $.035 \pm .002$ [$.89 \pm .05$] dia.

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

Consult factory for non-standard sizes.

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



Note: Arjes 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. Arjes reserves the right to change product specifications without notice.

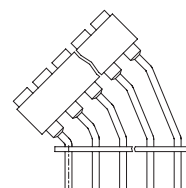
XX-X810-90CXX

No. of pins
(see table)

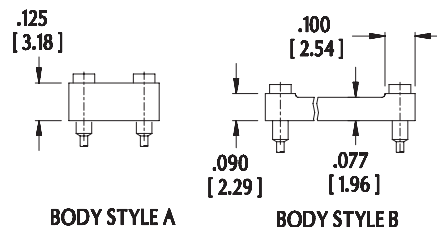
Series:

2810: "Y"=.200 [5.08]
310: "Y"=.300 [7.62]
4810 "Y"=.400 [10.16]
5810: "Y"=.600 [15.24]

Optional suffix:
TL= Tin/Lead
Pin Body plat-
ing
Collet contacts
90° display angle



Consult factory for other display angles



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



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13004
REV.E