



# Series 8XXX Elevator Sockets with Bifurcated Contacts

## FEATURES:

- Ideal for elevating devices (displays, switches, etc.) to desired level with .260 to 1.250 [6.60 to 31.75] height extension.

## SPECIFICATIONS:

- Standard socket body is black UL 94V-0 Glass Filled 4/6 Nylon.
  - Bifurcated contacts are Grade A Phosphor Bronze per QQ-B-750.
  - Contact plating:
    - 10 = 50-130 $\mu$ " [1.27-3.30 $\mu$ m] Matte Tin per ASTM B545-97 over 50 $\mu$ " [1.27 $\mu$ m] Nickel per SAE-AMS-QQ-N-290.
    - 10TL= 50-130 $\mu$ " [1.27-3.30 $\mu$ m] 90/10 Tin/Lead per MIL-T-10727 Type 1 over 50 $\mu$ " [1.27 $\mu$ m] Nickel per SAE-AMS-QQ-N-290.
    - 11 = 10 $\mu$ " [0.25 $\mu$ m] min. Gold per MIL-G-45204 over 50 $\mu$ " [1.27 $\mu$ m] Nickel per SAE-AMS-QQ-N-290. (consult factory for availability).
  - Contact current rating=1 Amp.
  - Insertion Force=110 grams/pin average; Withdrawal Force=75 grams/pin average.
  - Operating temperatures=
    - 67°F to 221°F [-55°C to 105°C] Tin & Tin/Lead Plating;
    - 67°F to 257°F [-55°C to 125°C] Gold Plating
  - Accepts flat leads up to .014 thk. x .020 wide [.36-.51], round leads up to .020 [.51] in diameter.
  - Socket accepts lead lengths from seating plane .075-.160 [1.91-4.06].
- ## MOUNTING CONSIDERATIONS:
- Suggested PCB hole size=.035  $\pm$  .002 [.89  $\pm$  .05]. dia.



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.

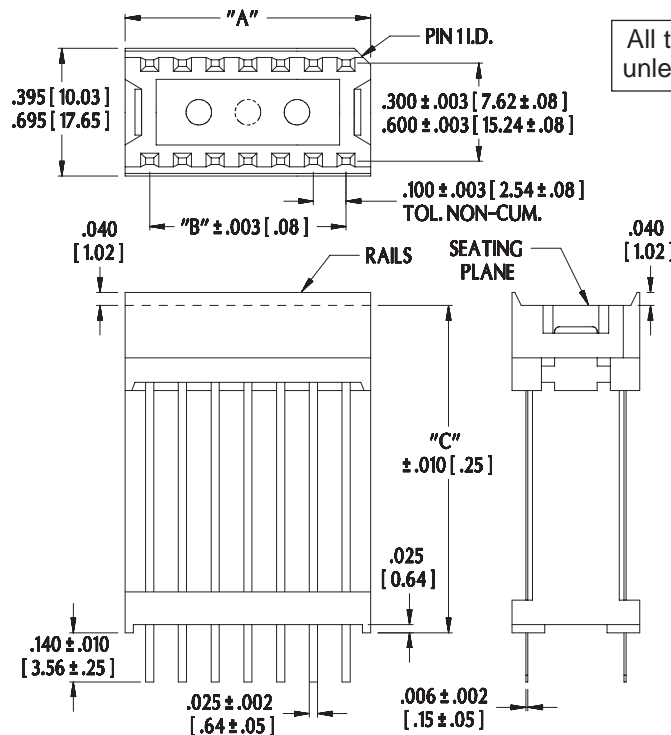
## ORDERING INFORMATION

XX - X8 XXXX - 1 XXXXX

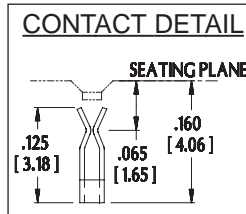
- No. of pins: 14, 16, 18
- Row-to-row spacing:  
8= .300 [7.62] centers (14 & 16 pin)  
68= .600 [15.24] centers (18 pin only)
- Optional suffix:  
WR=without rails  
-10= Tin  
-10TL=Tin/Lead  
-11=Gold (consult factory)
- Dim. "C": seating plane height (see table)

## ALL DIMENSIONS: INCHES [MILLIMETERS]

"A"=(NO. OF PINS PER ROW X .100 [2.54]) + .050 [1.27]  
"B"=(NO. OF PINS PER ROW - 1) X .100 [2.54]



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



Elevator sockets with collet contacts also available. Consult Data Sheet Nos. 13007 and 13008.

Part no.	Dim. "C"
10-28440-10	.440 [11.18]
14-8260-10	.260 [6.60]
14-8350-10	.350 [8.89]
14-8400-10	.400 [10.16]
14-8435-10	.440 [11.17]
14-8470-10	.470 [11.93]
14-8510-10	.510 [12.95]
14-8620-10	.620 [15.74]
14-8770-10	.770 [19.55]
14-8870-10	.870 [22.09]
14-81000-10	1.000 [25.40]
14-81100-10	1.100 [27.94]
14-81187-10	1.180 [29.97]
14-81250-10	1.250 [31.75]
16-8430-10	.430 [10.92]
16-8480-10	.480 [12.19]
16-8700-10	.700 [17.78]
16-8810-10	.810 [20.57]
16-81250-10	1.250 [31.75]
18-68500-10	.500 [12.70]
18-68587-10	.587 [14.90]
18-68660-10	.660 [16.76]
18-681250-10	1.250 [31.75]



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