



# Series 8 Elevator Socket w/Collet Contacts & Solder Pin Tails

## FEATURES

- Ideal for Elevating Devices (Displays, Switches, etc.) to Desired Level with 0.240 to 1.250 [6.10 to 31.75] Height Extension

## GENERAL SPECIFICATIONS

- STANDARD SOCKET BODY & SPACER: black UL 94V-0 glass-filled 4/6 Nylon
- PIN BODY: Brass 360 1/2-hard per UNS C36000 ASTM B16/B16M-05
- PIN BODY PLATING: 10 $\mu$  [0.25 $\mu$ ] min. Au per MIL-G-45204 –OR– 200 $\mu$  [5.08] min. 93/7 Sn/Pb per ASTM B545 –OR– 200 $\mu$  [5.08 $\mu$ ] min. Sn per ASTM B545 Type 1 over 100 $\mu$  [2.54 $\mu$ ] min. Ni per SAE AMS-QQ-N-290B
- 4-FINGER COLLET CONTACT: BeCu per UNS C17200 ASTM B194-08
- CONTACT PLATING: 30 $\mu$  [0.76 $\mu$ ] min. Au per MIL-G-45204 over 50 $\mu$  [1.27 $\mu$ ] min. Ni per SAE AMS-QQ-N-290B
- CONTACT CURRENT RATING: 3 amps
- OPERATING TEMPERATURE: -67°F to 221°F [-55°C to 105°C]
- INSERTION FORCE: 180g/pin, based on 0.018 [0.46] dia. test lead
- WITHDRAWAL FORCE: 90g/pin, based on 0.018 [0.46] dia. test lead
- NORMAL FORCE: 140g/pin, based on 0.018 [0.46] dia. test lead
- ACCEPTS LEADS: 0.015-0.025 [0.38-0.64] dia., 0.110-0.150 [2.79-3.81] long

## MOUNTING CONSIDERATIONS

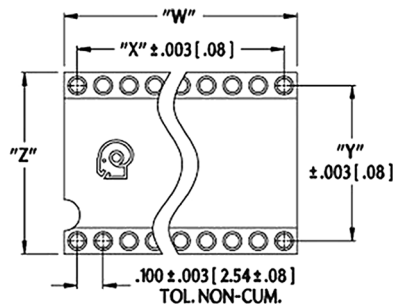
- SUGGESTED PCB HOLE SIZE: 0.035  $\pm$  0.002 [0.89  $\pm$  0.05] dia.



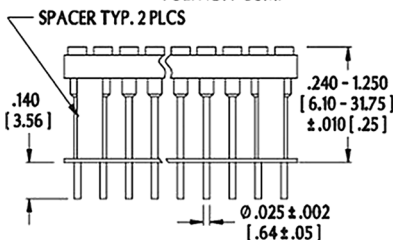
## ORDERING INFORMATION

XX-8 XXXX-X 10 C XX

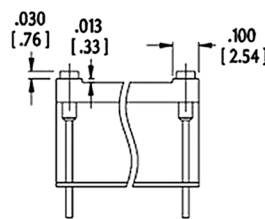
- Optional Solder Pin Tail Plating  
TL = Sn/Pb
- Collet Style
- Sn-plated Solder Pin Tail
- Row-to-Row Spacing  
3 "Y" = 0.300 [7.62]  
6 "Y" = 0.600 [15.24]
- Seating Plane Height  
0.240 [6.10] to 1.250 [31.75]  
Example: 0.240 height = "8240"  
1.250 height = "81250"
- Series
- No. of Pins  
(See Table)



"W" # PINS PER ROW x 0.100 [2.54]  
"X" (# PINS PER ROW - 1) x 0.100 [2.54]



BODY STYLE B



BODY STYLE C

| Centers "Y"   | Dim. "Z"      | Body Style | Available Sizes |
|---------------|---------------|------------|-----------------|
| 0.300 [7.62]  | 0.400 [10.16] | C          | 6 thru 20       |
|               |               | B          | 22 thru 40      |
| 0.600 [15.24] | 0.700 [17.78] | C          | 6 thru 40       |
|               |               | B          | 42 thru 48      |

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES:  $\pm$ 0.005 [0.13] UNLESS OTHERWISE SPECIFIED

FOR COLLET CONTACTS ON 0.200 [5.08] CENTERS, SEE DATA SHEET 13007

FOR BIFURCATED CONTACTS, SEE DATA SHEET 13006

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

CUSTOMIZATION: ARIES SPECIALIZES IN CUSTOM DESIGN AND PRODUCTION. SPECIAL MATERIALS, PLATINGS, SIZES, AND CONFIGURATIONS CAN BE FURNISHED, DEPENDING ON QUANTITY.

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1 of 1