



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 μ [0.25 μ] min. Au per MIL-G-45204 –OR– 200 μ [5.08] min. 93/7 Sn/Pb per ASTM B545 –OR– 200 μ [5.08 μ] min. Sn per ASTM B545 Type 1 over 100 μ [2.54 μ] min. Ni per SAE AMS-QQ-N-290B
- 4-FINGER COLLET CONTACT: BeCu per UNS C17200 ASTM B194-08
- CONTACT PLATING: 30 μ [0.76 μ] min. Au per MIL-G-45204 over 50 μ [1.27 μ] 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]



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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