



- Ideal for elevating devices (displays, switches, etc.) to desired level with 0.260 to 1.250 [6.60 to 31.75] height extension.

- STANDARD SOCKET BODY: black UL 94V-0 glass-filled 4/6 Nylon
- BIFURCATED CONTACTS: Grade A spring-tempered Phosphor Bronze per QQ-B-750
- CONTACT PLATING: "-10" 50-130 μ [1.27-3.30 μ] matte Sn per ASTM B545-97(2004)e1 over 50 μ [1.27 μ] Ni per SAE AMS-QQ-N-290B; "-10TL" 50-130 μ [1.27-3.30 μ] 90/10 Sn/Pb per MIL-T-10727 Type 1 over 50 μ [1.27 μ] Ni per SAE AMS-QQ-N-290B; "-11" 10 μ [0.25 μ] min. Au per MIL-G-45204 over 50 μ [1.27 μ] Ni per SAE AMS-QQ-N-290B. (consult factory for availability).
- CONTACT CURRENT RATING: 1 amp
- INSERTION FORCE: 110g/pin average
- WITHDRAWAL FORCE: 75g/pin average
- OPERATING TEMPERATURE: -67°F to 221°F [-55°C to 105°C] Sn and Sn/Pb plating; -67°F to 257°F [-55°C to 125°C] Au plating
- ACCEPTS: flat leads up to 0.014 thick x 0.020 wide [0.36-0.51], Round Leads up to 0.020 [0.51] dia.
- SOCKET ACCEPTS: lead lengths from seating plane 0.075-0.160 [1.91-4.06]

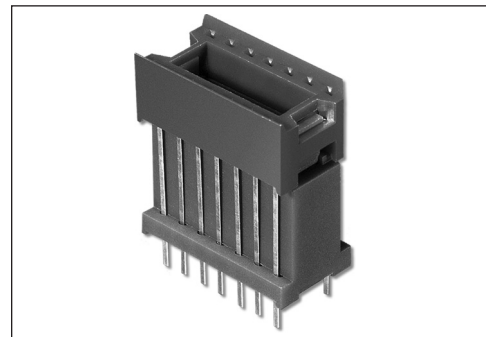
ORDER

XX-X8

No. of Pins —————
10, 14, 16

Row-to-Row Spacing —————
8 = 0.300 [7.62] Center

- SUGGESTED PCB HOLE SIZE: 0.035 ± 0.002 [0.89 ± 0.05] dia.



CUSTOMIZATION: In addition to the standard products shown on this page, Aries specializes in custom design and production. Special materials, platings, sizes, and configurations can be furnished, depending on the quantity. **NOTE:** Aries reserves the right to change product general specifications without notice.

XX-X8 XXXX-1XXX XX

No. of Pins 10, 14, 16	Optional Suffix WR = Without Rails
Row-to-Row Spacing 8 = 0.300 [7.62] Centers (14- & 16-pin) 28 = 0.200 [5.08] Centers (10-pin only)	Plating 10 = Sn 10TL = Sn/Pb 11 = Au (Consult Factory)
	Seating Plane Height (see Table, Dim "C")

ELEVATOR SOCKETS WITH COLLET CONTACT AVAILABLE
SEE DATA SHEET 13007 AND 13008

ALL DIMENSIONS IN INCHES [MILLIMETERS]
CONSULT FACTORY FOR NON-STANDARD SIZES
ALL TOLERANCES ± 0.005 [± 0.13] UNLESS OTHERWISE SPECIFIED
"A" (# PINS PER ROW $\times 0.100$ [2.54]) $+0.050$ [1.27]
"B" (# PINS PER ROW -1) $\times 0.100$ [2.54]

Technical drawing of a 16-pin connector showing top, side, and detail views with dimensions in inches and millimeters.

Top View Dimensions:

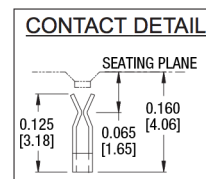
- Overall Width: A
- Pin 1 I.D. (Pin 1 Inner Diameter)
- Top Flange Thickness: 0.395 ± 0.003 [10.03]
- Bottom Flange Thickness: 0.295 ± 0.003 [7.49]
- Pin Pitch (Center-to-Center): 0.300 ± 0.003 [7.62 $\pm$ 0.08]
- Pin Diameter: 0.200 ± 0.003 [5.08 $\pm$ 0.08]
- Internal Feature Width: 0.100 ± 0.003 [2.54 $\pm$ 0.08] TOL. NON-CUM.
- Internal Feature Depth: 0.040 [1.02]
- Internal Feature Width: $B \pm 0.003$ [0.08]
- Internal Feature Depth: 0.040 [1.02]

Side View Dimensions:

- Overall Height: $C \pm 0.010$ [0.25]
- Pin Height: 0.140 ± 0.010 [3.56 $\pm$ 0.25]
- Pin Diameter: 0.025 ± 0.002 [0.64 $\pm$ 0.05]
- Pin Pitch (Center-to-Center): 0.025 ± 0.002 [0.64 $\pm$ 0.05]
- Pin Diameter: 0.006 ± 0.002 [0.15 $\pm$ 0.05]

Detail View Dimensions:

- Seating Plane
- Pin Height: 0.040 [1.02]



13006
1 of 1
Rev. AA