



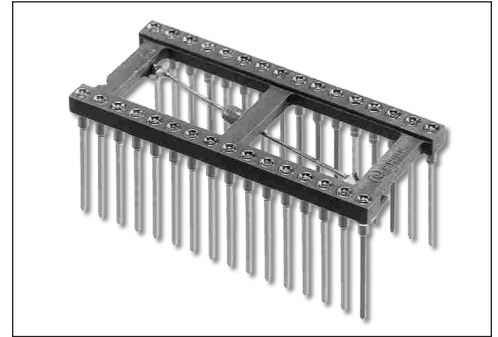
Series 508 Open-Frame Capacitor Collet Socket with Wire Wrap Pins

FEATURES

- Capacitor bypasses unwanted electromagnetic 'noise'
- Available with either 0.1μF or 0.33μF capacitor, 50V, Z5U temperature coefficient
- Open frame allows for more efficient utilization of board space and better cooling
- Compatible with automatic insertion equipment
- Side-to-side and end-to-end stackable

GENERAL SPECIFICATIONS

- BODY MATERIAL: black UL 94V-0 glass-filled Nylon
- PIN BODY: Brass 360 1/2-hard per UNS C36000 ASTM B16-85
- PIN BODY PLATING: either 10μ [0.25μ] min. Au per MIL-G-45204 or 200μ [5.08μ] min. 93/7 Sn/Pb per ASTM B545 or 200μ [5.08μ] min. Sn per ASTM B545 Type 1 over 100μ [2.54μ] min. Ni per SAE AMS-QQ-N-290
- 4-FINGERED COLLET CONTACT: BeCu per UNS C17200 ASTM-B194-01
- CONTACT PLATING: 30μ [0.76μ] min. Au per MIL-G-45204 over 50μ [1.27μ] min. Ni per SAE AMS-QQ-N-290
- CONTACT CURRENT RATING: 3 amps
- OPERATING TEMPERATURE: -67°F to 221°F [-55°C to 105°C] Sn : -67°F to 257°F [-55°C to 125°C] Au
- INSERTION FORCE: 180g/pin
- WITHDRAWAL FORCE: 90g/pin
- NORMAL FORCE: 140g/pin; based on a 0.018 [0.46] dia. test lead
- ACCEPTS LEADS: 0.015-0.025 [0.38-0.64] in dia.
- ACCEPTS LEAD LENGTHS: from 0.100 [2.54] min.



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.

ORDERING INFORMATION

XX-X 508 X X X X X

- Pin Count (see Table) ———
- Row-to-Row Spacing ———
- 3 "Y" = 0.300 [7.62]
- 4 "Y" = 0.400 [10.16]
- 6 "Y" = 0.600 [15.24]
- Series ———
- Capacitor
 - 1 = 0.1μF
 - 2 = 0.33μF
- Plating
 - 0 = Au Collet/Pb Shell
 - OTL = Au Collet, Sn/Pb Shell
 - 1 = Au Collet, Au Shell
- Termination
 - 2 = 2-level Wire Wrap
 - 3 = 3-level Wire Wrap

MOUNTING CONSIDERATIONS

- Suggested PCB Hole Size: 0.045 ±0.002 [1.14 ±0.05] dia.

NOTE: See [Data Sheet 12026](#) for Open Frame Capacitor Collet Socket with Solder Pin Tail

| Frame Style | No. of Ribs | Centers "Y" | Dim. "Z" | Available Sizes |
|-------------|-------------|---------------|---------------|-----------------|
| B | 2 | 0.300 [7.62] | 0.400 [10.16] | 14, 16, 18, 20 |
| | | 0.400 [10.16] | 0.500 [12.70] | 20, 22, 24 |
| C | 3 | 0.300 [7.62] | 0.400 [10.16] | 24, 28 |
| | | 0.600 [15.24] | 0.700 [17.78] | 24, 28, 32, 40 |

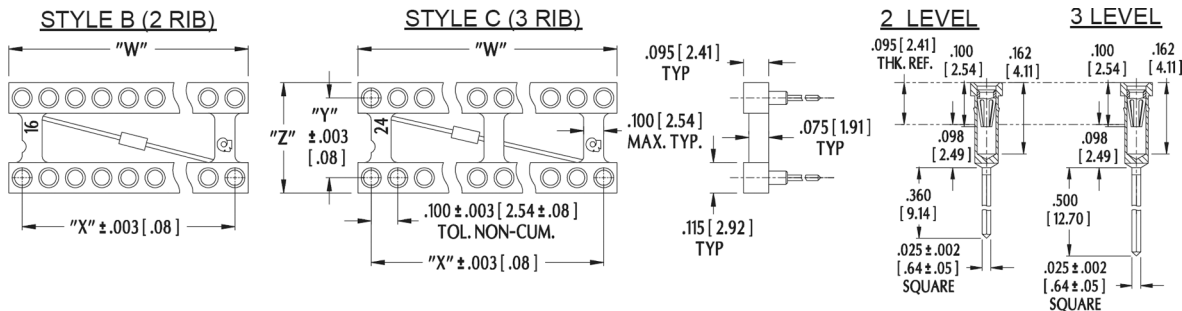
ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES ±0.005 [0.127] UNLESS OTHERWISE SPECIFIED

"W" = (No. of Pins per Row) x 0.100 [2.54]

"X" = (No. of Pins per Row - 1) x 0.100 [2.54]

CONSULT FACTORY FOR OTHER SIZES & CONFIGURATIONS



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