



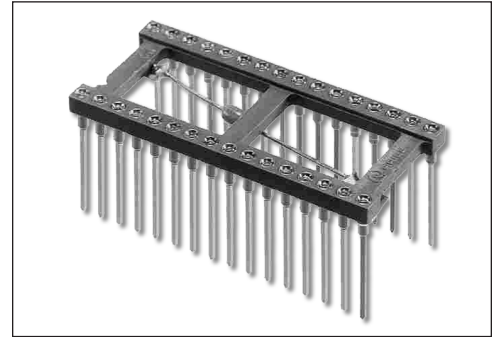
Series 508 Open-Frame Capacitor Collet Socket with Wire Wrap Pins

FEATURES

- Capacitor bypasses unwanted electromagnetic 'noise'
- Available with either 0.1 μ F or 0.33 μ F 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 10 μ [0.25 μ] min. Au per MIL-G-45204 or 200 μ [5.08 μ] 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-290
- 4-FINGERED COLLET CONTACT: BeCu per UNS C17200 ASTM-B194-01
- 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-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 = 0.1 μ F

2 = 0.33 μ F

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 \pm 0.002 [1.14 \pm 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

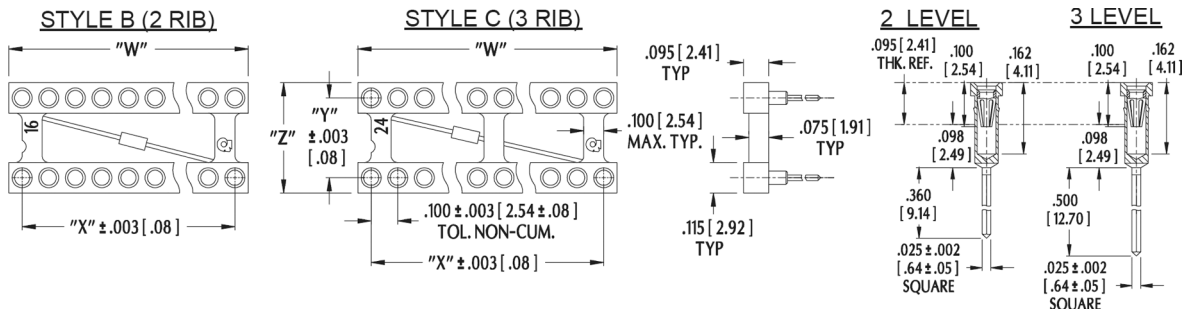
ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES \pm 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



Bristol, PA 19007-6810 USA
 TEL (215) 781-9956 • FAX (215) 781-9845
 WWW.ARIESELEC.COM • INFO@ARIESELEC.COM

