



# Series 508 Open-Frame Capacitor Socket w/Collet Contacts & Wire Wrap Pins

## FEATURES

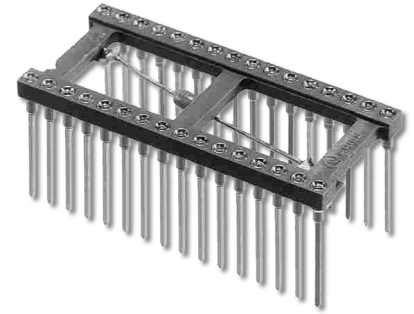
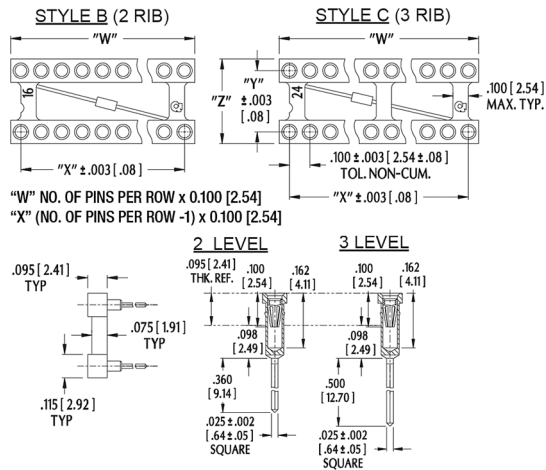
- Capacitor bypasses unwanted electromagnetic noise
- Available with 0.1 $\mu$ F or 0.33 $\mu$ F Capacitor, 50V, Z5U temperature coefficient
- Open frame allows for more efficient utilization of board space and better cooling
- Compatible with Automatic Insertion Equipment
- Side-to-side and End-to-end 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 $\mu$  [0.25 $\mu$ ] min. Au per MIL-G-45204 or 200 $\mu$  [5.08 $\mu$ ] 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-290
- **4-FINGER COLLET CONTACT:** BeCu per UNS C17200 ASTM-B194-01
- **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-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.
- **LEAD LENGTHS:** from 0.100 [2.54] min.

## MOUNTING CONSIDERATIONS

- **SUGGESTED PCB HOLE SIZE:** 0.045  $\pm$  0.002 [1.14  $\pm$  0.05] dia.



## ORDERING INFORMATION

**XX-X 508-X XXX X**

- Capacitor
  - 1 = 0.1 $\mu$ F
  - 2 = 0.33 $\mu$ F
- Plating
  - 0 = Au Collet, Sn Shell
  - OTL = Au Collet, Sn/Ph Shell
  - 1 = Au Collet & Shell
- Termination
  - 2 = 2-level Wire Wrap
  - 3 = 3-level Wire Wrap
- Series
- Row-to-Row Spacing, "Y" Dim.
  - 3 = 0.300 [7.62]
  - 4 = 0.400 [10.16]
  - 6 = 0.600 [15.24]
- No. of Pins (See Table)

Frame Style	No. of Ribs	Centers "Y"	Dim. "Z"	No. of Pins
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 [0.13] UNLESS OTHERWISE SPECIFIED  
 OPEN FRAME COLLET SOCKET w/WIRE WRAP PINS, SEE DATA SHEET 12016  
 OPEN FRAME COLLET SOCKET w/SOLDER PIN TAILS, SEE DATA SHEET 12017  
 OPEN FRAME SURFACE MOUNT SOCKET, SEE DATA SHEET 12018  
 OPEN FRAME COLLET CAPACITOR SOCKET w/SOLDER PIN, SEE DATA SHEET 12026  
 CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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