



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

## FEATURES

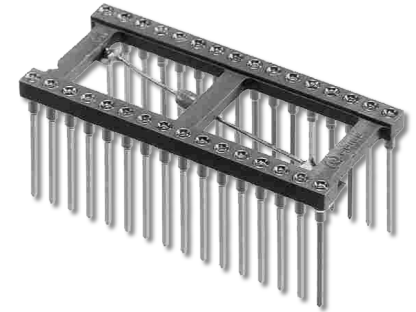
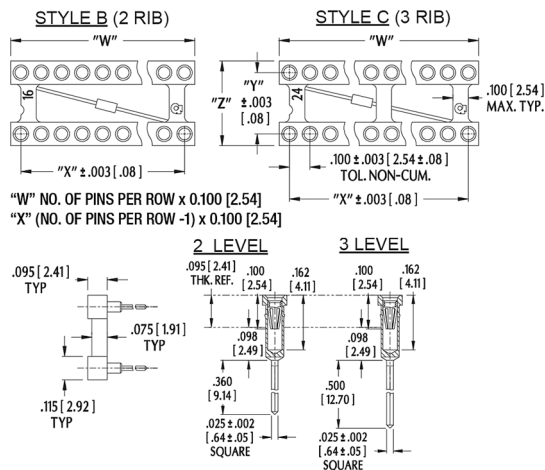
- Capacitor bypasses unwanted electromagnetic noise
- Available with 0.1 $\mu$ F or 0.33 $\mu$ F Capacitor, 50V, Z5U temperature coefficient
- Open frame allows for more efficient utilization of board space and better cooling
- Compatible with Automatic Insertion Equipment
- Side-to-side and End-to-end 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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