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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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

## FEATURES

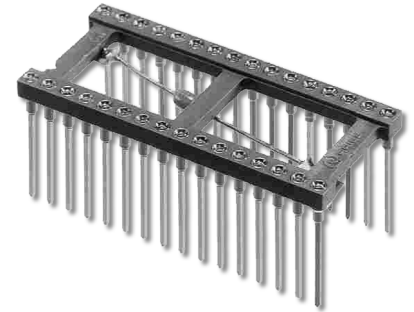
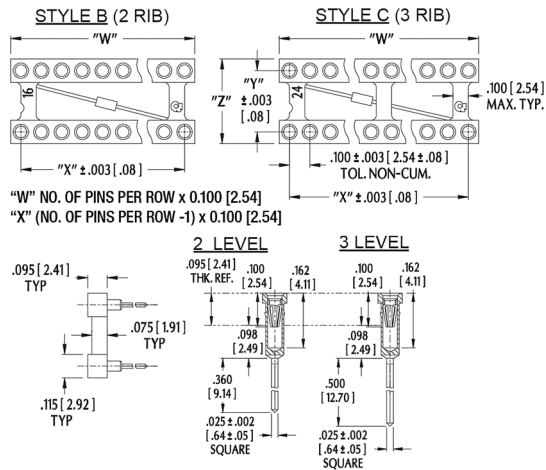
- Capacitor bypasses unwanted electromagnetic noise
- Available with 0.1μF or 0.33μF Capacitor, 50V, Z5U temperature coefficient
- Open frame allows for more efficient utilization of board space and better cooling
- Compatible with Automatic Insertion Equipment
- Side-to-side and End-to-end Stackable

## 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-FINGER 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.
- **LEAD LENGTHS:** from 0.100 [2.54] min.

## MOUNTING CONSIDERATIONS

- **SUGGESTED PCB HOLE SIZE:** 0.045 ± 0.002 [1.14 ± 0.05] dia.



## ORDERING INFORMATION

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

- Capacitor**
  - 1 = 0.1μF
  - 2 = 0.33μF
- 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: ±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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