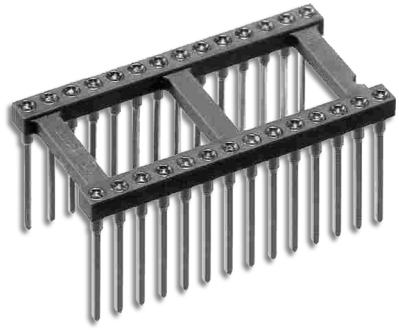
Series 508 Open Frame Socket w/Collet Contacts & Wire Wrap Pins

FEATURES

- Open Frame allows Efficient Utilization of Board Space with Optimized Cooling
- Available 2- and 3-level Wire Wrap Pins
- Compatible with Automatic Insertion Equipment
- Side-to-side and End-to-end Stackable



GENERAL SPECIFICATIONS

- **BODY MATERIAL**: Black UL 94V-0 Glass-filled 4/6 Nylon
- **PIN BODY**: Brass 360 1/2-hard per UNS C36000 ASTM B16/B16M-05
- **PIN BODY PLATING**: 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-290B
- **4-FINGER COLLET CONTACT**: BeCu per UNS C17200 ASTM B194-08
- **CONTACT PLATING**: 30µ [0.76µ] min. Au per MIL-G-45204 over 50µ [1.27µ] min. Ni per SAE AMS-QQ-N-290B
- **CONTACT CURRENT RATING**: 3 amps
- **OPERATING TEMPERATURE**: -67°F to 221°F [-55°C to 105°C] for Sn; -67°F to 257°F [-55°C to 125°C] for Au
- **INSERTION FORCE**: 180g/pin, based on 0.018 [0.46] dia. test lead
- **WITHDRAWAL FORCE**: 90g/pin, based on 0.018 [0.46] dia. test lead
- **NORMAL FORCE**: 140g/pin, based on 0.018 [0.46] dia. test lead
- **ACCEPTS LEADS**: 0.015-0.025 [0.38-0.64] dia., 0.110-0.160 [2.79-4.06] long

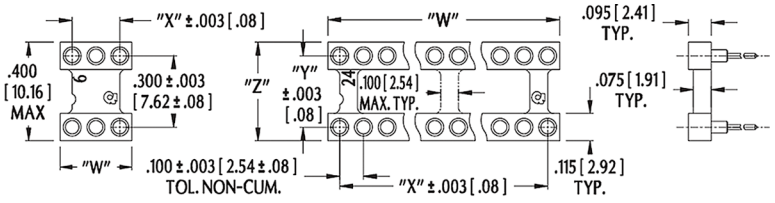
ORDERING INFORMATION

XX-X 508 X XXX

- **Plating**
  - 0 = Au Collet, Sn Shell
  - 0TL = Au Collet, Sn/Pb 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]
  - 9 = 0.900 [22.86]
- **No. of Pins**
  (See Table)

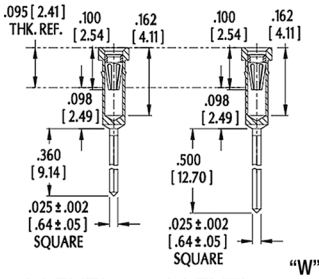
MOUNTING CONSIDERATIONS

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



STYLE A

STYLE B,C (2,3 RIB)
Style D (4,5 rib) not shown



2 LEVEL 3 LEVEL

"W" (# PINS PER ROW) x 0.100 [2.54]
"X" (# PINS PER ROW -1) x 0.100 [2.54]

Frame Style	No. of Ribs	Centers "Y"	Dim. "Z"	No. of Pins
A	1	0.300 [7.62]	0.400 [10.16]	6
		0.300 [7.62]	0.400 [10.16]	8, 14, 16, 18, 20, 24
B	2	0.400 [10.16]	0.500 [12.70]	20, 22
C	3	0.300 [7.62]	0.400 [10.16]	28
		0.400 [10.16]	0.500 [12.70]	24
		0.600 [15.24]	0.700 [17.78]	24, 28, 32, 40, 48
D	4, 5	0.900 [22.86]	1.000 [25.40]	50, 64

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 SURFACE MOUNT SOCKET, SEE DATA SHEET 12018
OPEN FRAME COLLET CAPACITOR SOCKET w/SOLDER PIN, SEE DATA SHEET 12026
OPEN FRAME COLLET CAPACITOR SOCKET w/WIRE WRAP, SEE DATA SHEET 12027
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

CUSTOMIZATION: ARIES SPECIALIZES IN CUSTOM DESIGN AND PRODUCTION. SPECIAL MATERIALS, PLATINGS, SIZES, AND CONFIGURATIONS CAN BE FURNISHED, DEPENDING ON QUANTITY.

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