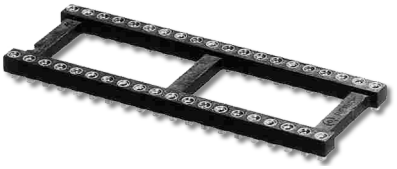
Series 518 Open Frame Socket w/Collet Contacts & Surface Mount Pins

FEATURES



- 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 4/6 Nylon
- **PIN BODY**: Brass 360 1/2-hard per UNS C36000 ASTM B16/B16M-05
- **PIN BODY PLATING**: 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**: 10µ [0.25µ] Au per MIL-G-45204 over 50µ min. [1.27µ] Ni per SAE AMS-QQ-N-290B
- **CONTACT CURRENT RATING**: 3 amps
- **OPERATING TEMPERATURE**: -67°F to 221°F [-55°C to 105°C]
- **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., 0.100-0.125 [2.54-3.18] long

ORDERING INFORMATION

XX-X 518 X XXX

Plating
0 = Au Collet, Sn Shell
0TL = Au Collet, Sn/Pb Shell
1 = Au Collet & Shell

Termination
0 = Surface Mount

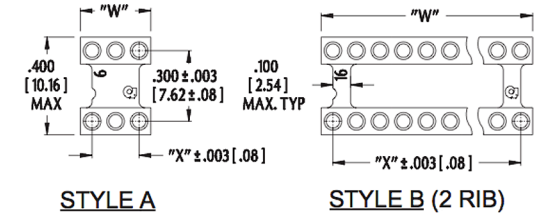
Series

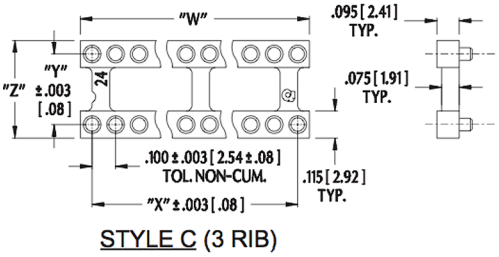
Row-to-Row Spacing, "Y" Dim.
3 = 0.300 [7.62]
4 = 0.400 [10.16]
6 = 0.600 [15.24]

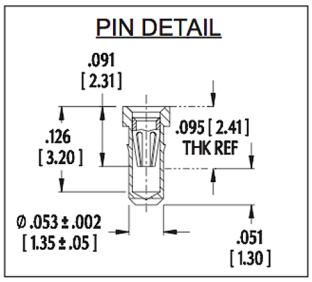
No. of Pins
(See Table)

MOUNTING CONSIDERATIONS

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







"W"= (NO. OF PINS PER ROW) x 0.100 [2.54]
"X"= (NO. OF 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
B	2	0.300 [7.62]	0.400 [10.16]	8, 14, 16, 18, 20
		0.400 [10.16]	0.500 [12.70]	20, 22
		0.300 [7.62]	0.400 [10.16]	24, 28
C	3	0.400 [10.16]	0.500 [12.70]	24
		0.600 [15.24]	0.700 [17.78]	24, 28, 32

ALL DIMENSIONS: INCHES [MILLIMETERS]
ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
OPEN FRAME COLLET SOCKET w/WIRE WRAP, SEE DATA SHEET 12016
OPEN FRAME COLLET SOCKET w/SOLDER PIN TAILS, SEE DATA SHEET 12017
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

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