



Single and Dual Row Surface Mount Collet Socket – Series 518

FEATURES

- Available in Single and Dual Row Strips
- Socket Strips to be cut to the number of positions desired with 'break' Feature
- 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:** 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] for Sn plating; -67°F to 257°F [-55°C to 125°C] for Au plating
- **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

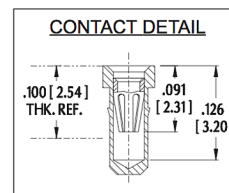
ORDERING INFORMATION

XX-X 518-X XX

- Plating**
 - 0 = Au Collet, Sn Shell
 - OTL = Au Collet, Sn/Pb Shell
- Termination**
 - 0 = Surface Mount Tail
- Series**
- No. of Rows**
 - 0 Single Row
 - 1 Dual Row
- No. of Pins per Socket**
 - 1 Row – 1 to 40 Pins
 - 2 Rows – 2 to 66 Pins

MOUNTING CONSIDERATIONS

- **SUGGESTED PCB PAD SIZE:** 0.063 [1.60] dia.



ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

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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