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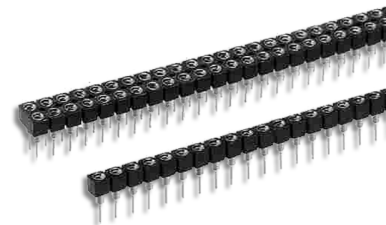
For any questions, you can email us directly:
sales@integrated-circuit.com



Single and Dual Row Solder Pin Tails Collet Socket – Series 518

FEATURES

- Collet Sockets available in Single or Dual Rows
- Cuttable to the number of pins desired to fit the application
- 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 I 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:** 200μ [5.08μ] min. 93/7 Sn/Pb per ASTM B545 –OR– 200μ [5.08μ] min. Sn per ASTM B545 Type 1 or 10μ [0.25μ] Au per MIL-G-45204 over 50μ [1.27μ] min. [1.27μ] Ni per SAE AMS-QQ-N-290 Heavy 30μ [0.76μ]
- **CONTACT CURRENT RATING:** 3 amps
- **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
- **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.
- **LEAD LENGTHS:** from 0.100 [2.54] min.

MOUNTING CONSIDERATIONS

- SUGGESTED PCB HOLE SIZE: 0.030 ± 0.002 [0.76 ± 0.05] dia.

ORDERING INFORMATION

XX X 518-1 XX XX

- Additional Options

Additional options
H = Heavy Au on Collet Shell
T = Sn Collet, Sn Shell
TL = Sn/Pb Collet & Shell
E = Extra Long Tail (0.183")

- **Plating**

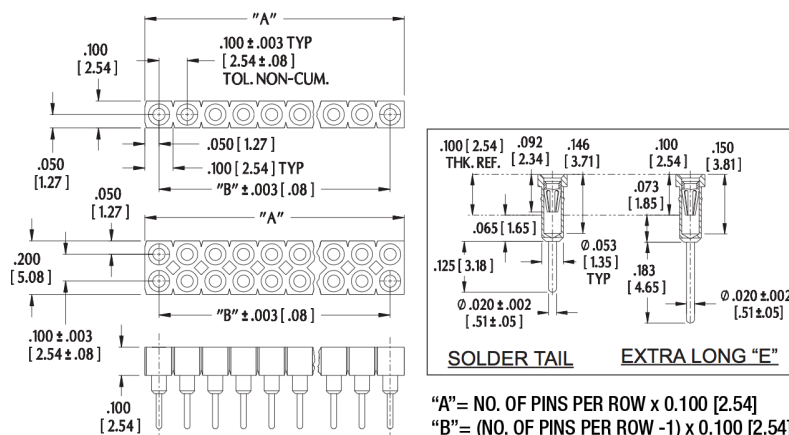
0 = Au Collet, RoHS Shell
OTL = Au Collet, Sn/Pb Shell
1 = Au Collet & Shell

- **Solder Pin Tail**

- Series

- No. of Rows
 - 0 = Single
 - 1 = Dual

- No. of Pins per Socket
 - 1 Row – 1 to 40 Pins
 - 2 Rows – 2 to 66 Pins

**ALL DIMENSIONS: INCHES [MILLIMETERS]**

ALL TOLERANCES: ± 0.005 [0.13] UNLESS OTHERWISE SPECIFIED

FOR SOCKET STRIPS WITH WIRE WRAP PINS, SEE DATA SHEETS 12021

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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