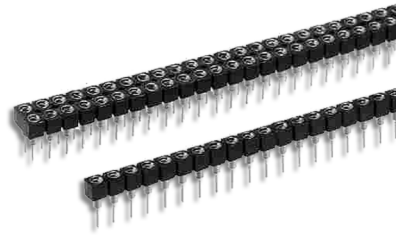
Single and Dual Row Solder Pin Tails
Collet Socket – Series 518

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 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**: 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.

ORDERING INFORMATION

XX X 518-1 XX XX

Additional Options
H = Heavy Au on Collet Shell
T = Sn Collet, Sn Shell
TL = Sn/Pb Collet & Shell
E = Extra Long Solder Pin Tail

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

Solder Pin Tail

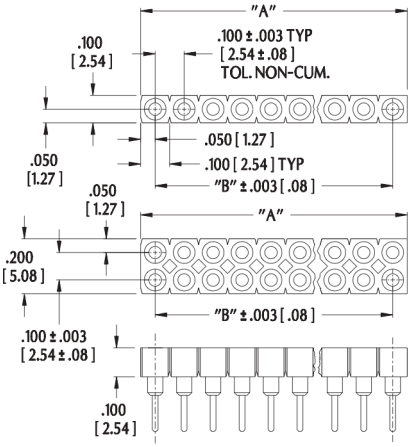
Series

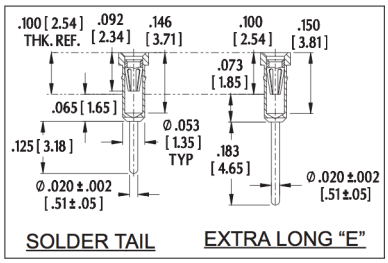
No. of Rows
0 = Single
1 = Dual

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

MOUNTING CONSIDERATIONS

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





"A"= NO. OF PINS PER ROW x 0.100 [2.54]
"B"= (NO. OF PINS PER ROW -1) x 0.100 [2.54]

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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ARIES ELECTRONICS, INC.
2609 Bartram Road • Bristol, PA 19007-6810 USA
TEL 215-781-9956 • FAX 215-781-9845
WWW.ARIESELEC.COM • INFO@ARIESELEC.COM

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