



Series X518 Single and Dual Row Collet Sockets with Solder Tail Pins

FEATURES:

- Aries collet sockets are 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.

SPECIFICATIONS:

- Body material is black UL 94V-0 Glass-filled 4/6 Nylon.
- Pin body is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-00.
- Pin body plating is either $10\ \mu$ [.25 μm] min. Gold per MIL-G-45204 or $200\ \mu$ [5.08 μm] min. 93/7 Tin/Lead per ASTM B545 or $200\ \mu$ [5.08 μm] min. Tin per ASTM B545 Type 1 over $100\ \mu$ [2.54 μm] min. Nickel per SAE-AMS-QQ-N-290.
- 4-fingered collet contact is Beryllium Copper Alloy per UNS C17200 ASTM-B194-01.
- Contact plating is either $200\ \mu$ [5.08 μm] min. 93/7 Tin/Lead per ASTM B545 or $200\ \mu$ [5.08 μm] min Tin per ASTM B545 Type 1 or $10\ \mu$ [.25 μm] Gold per MIL-G-45204 over $50\ \mu$ min. [1.27 μm] Nickel per SAE-AMS-QQ-N-290. Heavy $30\ \mu$ [.76 μm] Gold Plating also available.
- Contact current rating=3 Amps.
- Insertion Force=180 grams/pin; Withdrawal Force=90 grams/pin; Normal Force=140 grams/pin; based on a .018 [.46] dia. test lead.
- Operating temperature=221°F [105°C] Tin & Tin/Lead plating =257°F [125°C] Gold plating.
- Insertion Force=180 grams/pin; Withdrawal Force=90 grams/pin; Normal Force=140 grams/pin; based on a .018 [.46] dia. test lead.
- Accepts leads .015-.025 [.38-.64] in diameter.
- Accepts lead lengths from .100 [2.54] min.

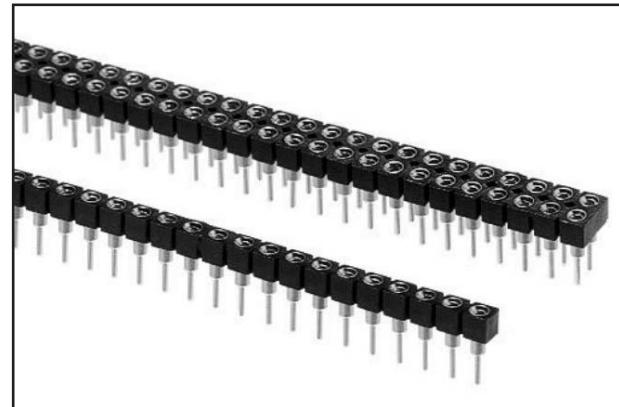
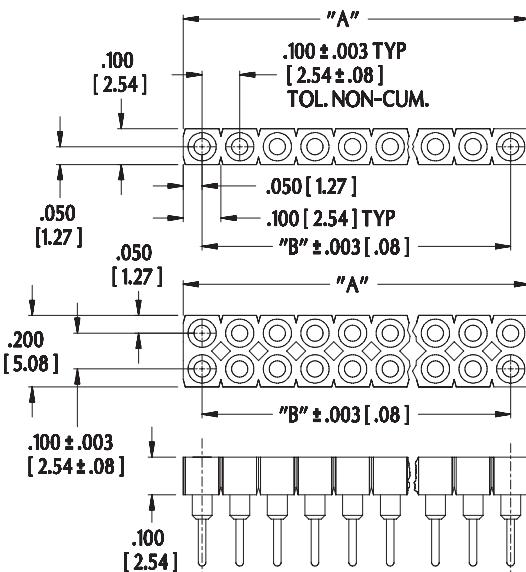
MOUNTING CONSIDERATIONS:

- Suggested PCB hole size=.030 \pm .002 [.76 \pm .05] dia.

ALL DIMENSIONS: INCHES [MILLIMETERS]

All tolerances \pm .005 [.13] unless otherwise specified

"A"=(NO. OF PINS PER ROW) X .100 [2.54]
"B"=(NO. OF PINS PER ROW - 1) X .100 [2.54]



Note: Aries specializes in custom design and production. In addition to the standard products shown on this page, special materials, platings, sizes, and configurations can be furnished, depending on quantities. Aries reserves the right to change product specifications without notice.

ORDERING INFORMATION

XX-X518-1XXXX

No. of pins: _____

Single row: 1-40 pins
Dual row: 2-40 pins

0=Single row
1=Dual row

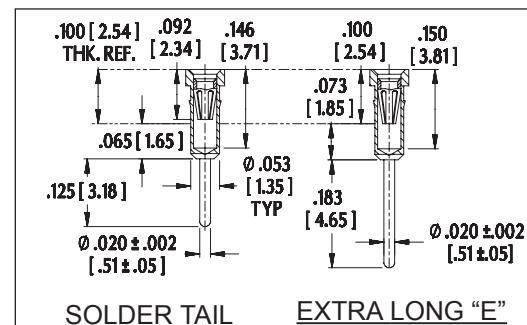
Series _____

Solder tail pin _____

Optional suffix:
H=Heavy Gold plating on collet
T=Tin collet/ Tin shell
TL=Tin/Lead collet/ Tin/Lead shell
E=Extra long solder tail pin

Plating:
0=Gold collet/Tin shell
0TL=Gold collet/ Tin/Lead Shell
1=Gold collet/Gold shell

Consult Data Sheet No. 12021
for Series X518 Collet Sockets
with wire wrap pins.



ARIES[®]
ELECTRONICS, INC.

<http://www.arieselec.com> • info@arieselec.com

Bristol, PA USA
TEL: (215) 781-9956
FAX: (215) 781-9845



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