Series X518 Surface Mount Single and Dual Row Collet Sockets

FEATURES:
- Surface mount collet sockets are available in single and dual row.
- "Break" feature allows strips to be cut to the number of positions desired.
- Compatible with automatic insertion equipment.
- Side-to-side and end-to-end stackable.
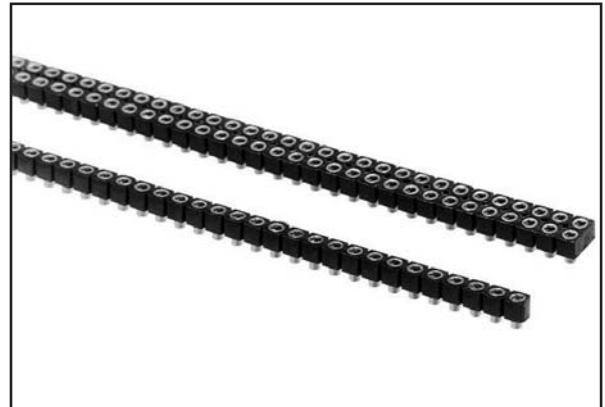
SPECIFICATIONS:
- Body material is black UL 94V-0 Glass-filled 4/6 Nylon.
- Pin body is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-00.
- Pin body plating is either 10μ [.25μm] min. Gold per MIL-G-45204 or 200μ [5.08μm] min. 93/7 Tin/Lead per ASTM B545 or 200μ [5.08μm] min. Tin per ASTM B545 Type 1 over 100μ [2.54μm] 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 10μ [.25μm] Gold per MIL-G-45204 over 50μ min. [1.27μm] Nickel per SAE-AMS-QQ-N-290.
- Contact current rating=3 Amps.
- Operating temperature=221°F [105°C].
- 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, .100-.125 [2.54-3.18] long.

MOUNTING CONSIDERATIONS:
- Suggested PCB pad size=.063 [1.60] dia.

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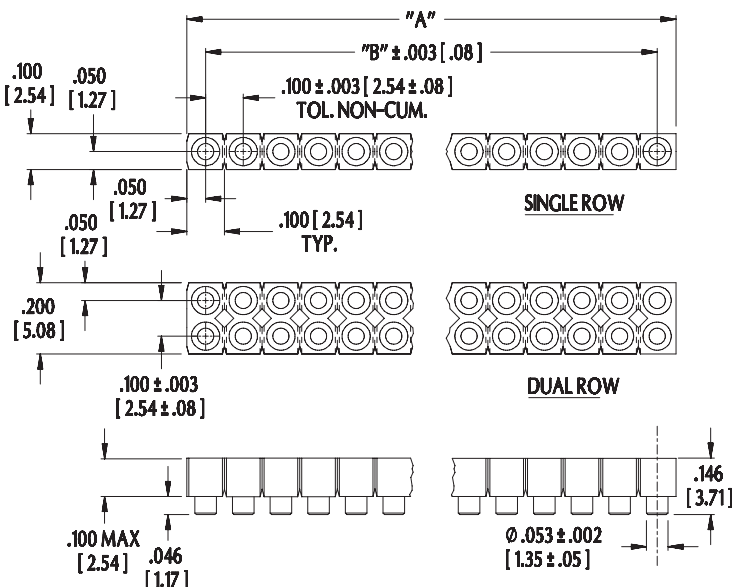"B"=(NO. OF PINS PER ROW - 1) X .100 [2.54]

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.
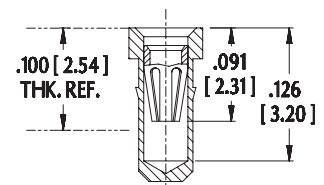
ORDERING INFORMATION

XX-X518-0XXX

No. of pins:
1-40 single row
2-40 dual row
  0=single row
  1=dual row
Series

Plating Options:
0=Gold collet/Tin shell
0TL=Gold collet/Tin/Lead shell

0=surface mount

ALL DIMENSIONS: INCHES [MILLIMETERS]

All tolerances ± .005 [.13] unless otherwise specified

SINGLE ROW

DUAL ROW

CONTACT DETAIL

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