



Series 518

Surface Mount Open Frame Collet Sockets

FEATURES:

- Open frame allows for more efficient utilization of board space and better cooling.
- Compatible with automatic insertion equipment.
- Side-to-side and end-to-end stackable.

SPECIFICATIONS:

- Body material is black UL 94V-0 4/6 Nylon.
- Pin body is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-85.
- Pin body plating is 200 μ [5.08 μ m] min. 93/7 Tin/Lead per MIL-P-81728 over 100 μ [2.54 μ m] min. Nickel per QQ-N-290.
- 4-fingered collet contact is Beryllium Copper Alloy per UNS C17200 ASTM-B194-92.
- Contact plating is 10 μ [.25 μ m] Gold per MIL-G-45204 over 50 μ min. [1.27 μ m] Nickel per 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:

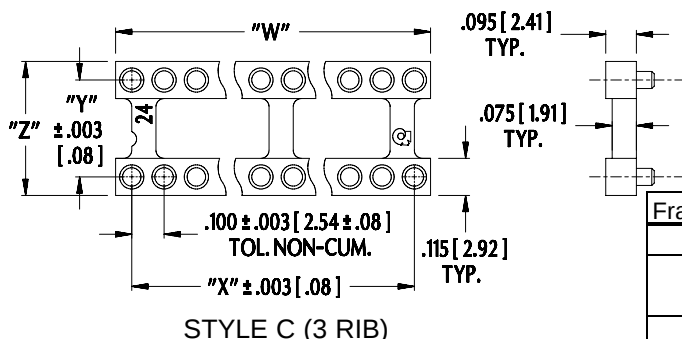
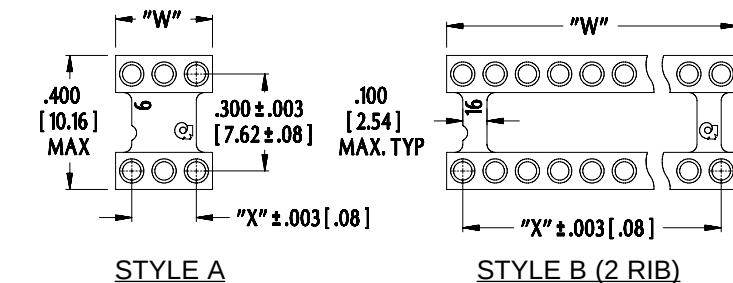
- Suggested PCB pad size=.063 [1.60] dia.

ALL DIMENSIONS: INCHES [MILLIMETERS]

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

"W"=(NO. OF PINS PER ROW) X .100 [2.54]

"X"=(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.

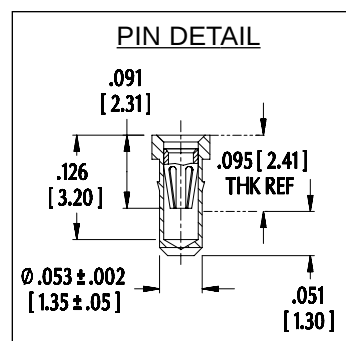
ORDERING INFORMATION

XX-X518-00

No. of pins (see table)
Row-to-row spacing:
3: "Y"=.300 [7.62]
4: "Y"=.400 [10.16]
6: "Y"=.600 [15.24]
Series
Plating:
0=Gold collet/Tin shell
1=Gold collet/Gold shell
0=Surface mount

Other collet pins are available. Consult Data Sheet No. 12016 for solder tail pins and 12017 for wire wrap pins.

Open Frame Capacitor Sockets also available. Consult Data Sheet Nos. 12026 and 12027.



Frame Style	No. of Ribs	Centers "Y"	Dim. "Z"	Available Sizes
A	1	.300 [7.62]	.400 [10.16]	6
B	2	.300 [7.62]	.400 [10.16]	8,14,16,18,20
		.400 [10.16]	.500 [12.70]	20,22
C	3	.300 [7.62]	.400 [10.16]	24,28
		.400 [10.16]	.500 [12.70]	24
		.600 [15.24]	.700 [17.78]	24,28,32

ARIES
ELECTRONICS, INC.
<http://www.arieselec.com> • info@arieselec.com

NORTH AMERICA
Frenchtown, NJ USA
TEL: (908) 996-6841
FAX: (908) 996-3891



UK/IRELAND/GB
TEL: +44 870 240 0249
FAX: +44 1653 600493
uking@arieselec.com

EUROPE/MAINLAND/HOLLAND
TEL: +31 78 615 94 65
FAX: +31 78 615 43 11
europa@arieselec.com

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