



# Series 503 LO-PRO® file Collet Sockets with Wire Wrap Pins

## FEATURES:

- LO-PRO® file Collet Sockets are available with solder tail or wire wrap pins. Consult Data Sheet No. 12011 for solder tail pins.

- Choose from several sizes and plating options.

## SPECIFICATIONS:

- Body material is black UL 94-V0 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 μ [2.54μm] 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 30 μ [7.6μm] Gold per MIL-G-45204 over 50 μ [1.27μm] min. Nickel per SAE-AMS QQ-N-290.
- 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 Temp.= -67°F to 221°F [-55°C to 105°C] Tin = -67°F to 257°F [-55°C to 125°C] Gold
- Accepts leads .015-.025 [.38-.64] in diameter, .110-.162 [2.79-4.11] long.

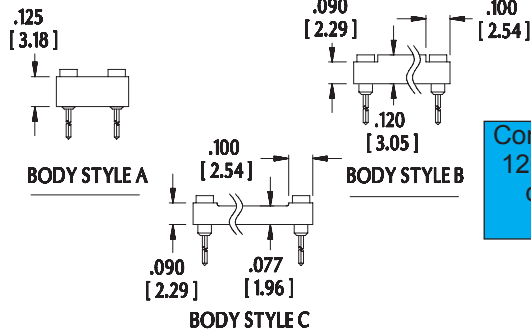
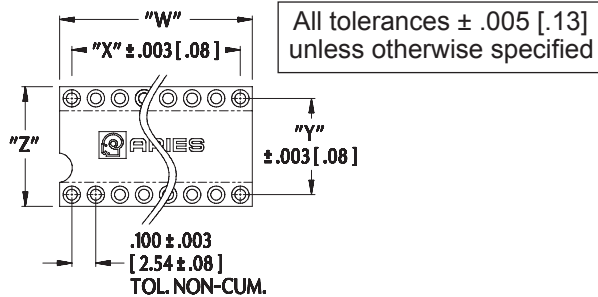
## MOUNTING CONSIDERATIONS:

- Suggested PCB hole size=.045 ± .002 [1.14 ± .05] dia.

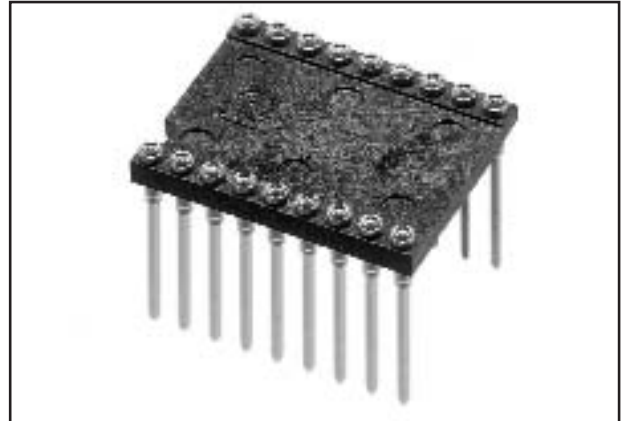
## ALL DIMENSIONS: INCHES [MILLIMETERS]

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

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

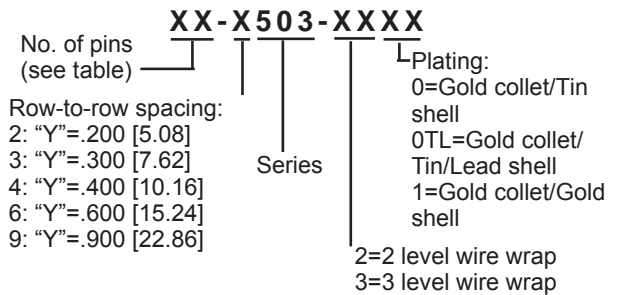


Consult Data Sheet No. 12011 for LO-PRO® file collet sockets with solder tail pins.

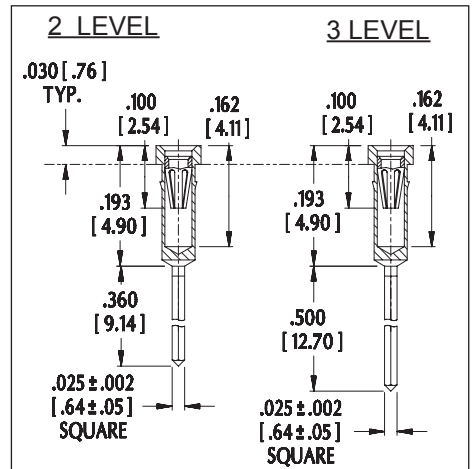


Note: Aries specializes in custom design and production. In addition to the standard products shown on this page, special materials, platings, sizes, and configurations can be furnished, depending on quantities. Aries reserves the right to change product specifications without notice.

## ORDERING INFORMATION



Centers "Y"	Dim "Z"	Body Style	Available Sizes
.200 [5.08]	.300 [5.08]	A	2 thru 10
.300 [7.62]	.400 [10.16]	C	2 thru 20
		B	22 thru 40
.400 [10.16]	.500 [12.70]	C	2 thru 22
.600 [15.24]	.700 [17.78]	C	2 thru 40
		B	42 thru 48
.900 [22.86]	1.000 [25.40]	B	2 thru 64



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REV. G