



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Series 503 Lo-PRO[®] file Socket w/Collet Contacts & Wire Wrap Pins

FEATURES

- Available with Solder Tail or Wire Wrap Pins
- Choose from Several Sizes and Plating Options

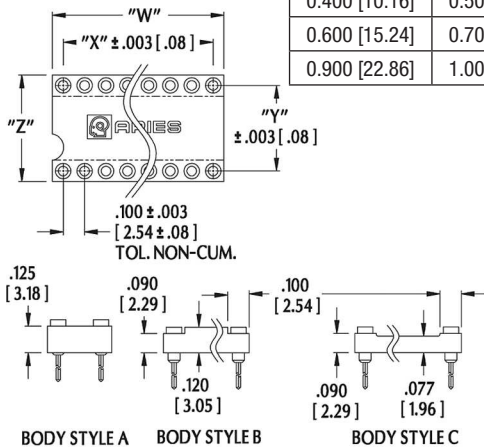
GENERAL SPECIFICATIONS

- **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:** 10 μ [0.25 μ] min. Au per MIL-G-45204 –OR– 200 μ [5.08 μ] min. 93/7 Sn/Pb per ASTM B545 or 200 μ [5.08 μ] min. Sn per ASTM B545 Type 1 over 100 μ [2.54 μ] min. Ni per SAE AMS-QQ-N-290B
- **4-FINGER COLLET CONTACT:** BeCu per UNS C17200 ASTM B194-08
- **CONTACT PLATING:** 30 μ [0.76 μ] Au per MIL-G-45204 over 50 μ [1.27 μ] min. Ni per SAE AMS-QQ-N-290B
- **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] Sn; -67°F to 257°F [-55°C to 125°C] Au
- **ACCEPTS LEADS:** 0.015-0.025 [0.38-0.64] dia., 0.110-0.162 [2.79-4.11] long

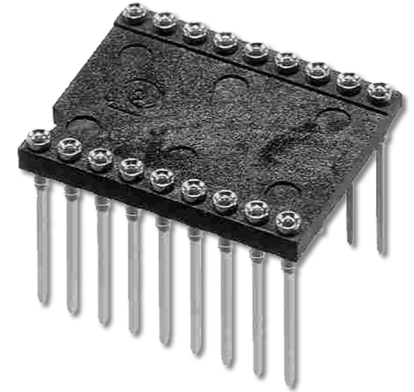
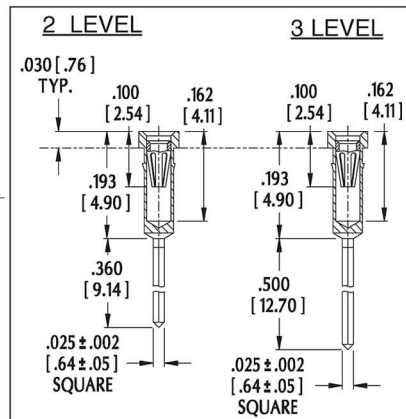
MOUNTING CONSIDERATIONS

- **SUGGESTED PCB HOLE SIZE:** 0.045 \pm 0.002 [1.14 \pm 0.05] dia.

Centers "Y"	Dim. "Z"	Body Style	Available Sizes
0.200 [5.08]	0.300 [7.62]	A	2 thru 10
0.300 [7.62]	0.400 [10.16]	C, B	2 thru 20, 22 thru 40
0.400 [10.16]	0.500 [12.70]	C	2 thru 22
0.600 [15.24]	0.700 [17.78]	C, B	2 thru 40, 42 thru 48
0.900 [22.86]	1.000 [25.40]	B	2 thru 64



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



ORDERING INFORMATION

XX-X 503-XX XX

Plating
 0 = Au Collet/Sn Shell
 0TL = Au Collet/Sn/Pb Shell
 1 = Au Collet/Au Shell

Termination
 2 = 2-level Wire Wrap
 3 = 3-level Wire Wrap

Series

Row-to-Row Spacing (Dim. "Y")
 2 = 0.200 [5.08]
 3 = 0.300 [7.62]
 4 = 0.400 [10.16]
 6 = 0.600 [15.24]
 9 = 0.900 [22.86]

No. of Pins
 (See Table)

ALL DIMENSIONS: INCHES [MILLIMETERS]
 ALL TOLERANCES: \pm 0.005 [0.13] UNLESS OTHERWISE SPECIFIED
 FOR COLLET SOCKETS WITH SOLDER PIN TAILS, SEE DATA SHEETS 12011
 CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

CUSTOMIZATION: ARIES SPECIALIZES IN CUSTOM DESIGN AND PRODUCTION.
 SPECIAL MATERIALS, PLATINGS, SIZES, AND CONFIGURATIONS CAN BE
 FURNISHED, DEPENDING ON QUANTITY.

ARIES RESERVES THE RIGHT TO CHANGE PRODUCT GENERAL SPECIFICATIONS
 WITHOUT NOTICE

PRINTOUTS OF THIS DOCUMENT MAY BE OUT-OF-DATE AND SHOULD BE
 CONSIDERED UNCONTROLLED



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