

# Series 513 Lo-PRO file Socket w/Collet Contacts & Solder Pin Tails

#### **FEATURES**

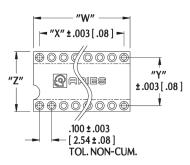
- Available with Solder Pin Tails
- · Choose from Several Sizes and Plating Options
- For Wire Wrap Pins, see Data Sheet 12012

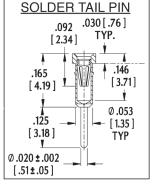
#### **GENERAL SPECIFICATIONS**

- BODY MATERIAL: Black UL 94V-0 glass-filled 4/6 Nylon
- SHELL MATERIAL: Brass 360 1/2-hard per UNS C36000 ASTM B16/B16M-05
- SHELL PLATING: 10μ [0.25μ] min. Au per MIL-G-45204 or 200μ [5.08μ] min. 93/7 Sn/Pb per ASTM B545 –0R– 200μ [5.08μ] min. Sn per ASTM B545 Type 1 over 100μ [2.54μ] min. Ni per SAE AMS-QQ-N-290B
- 4-FINGER COLLET MATERIAL: BeCu per UNS C17200 ASTM B194-08
- COLLET CONTACT PLATING: 200μ [5.08μ] min. 93/7 Sn/Pb per ASTM B545 OR 200μ [5.08μ] min. Sn per ASTM B545 Type 1 OR 10μ [0.25μ] Au per MIL-G-45204 over 50μ [1.27μ] min. [1.27μ] Ni per SAE AMS-QQ-N-290 heavy 30μ [0.76μ]
- 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: 221°F [105°C] Sn & Sn/Pb plating; 257°F [125°C] Au plating
- ACCEPTS LEADS: 0.015-0.025 [0.38-0.64] dia., 0.100-0.146 [2.54-3.71] long

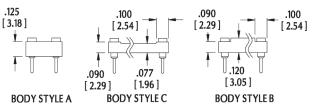
#### **MOUNTING CONSIDERATIONS**

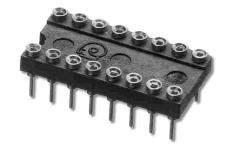
• SUGGESTED PCB HOLE SIZE:  $0.030 \pm 0.002 [0.76 \pm 0.05]$  dia.











#### **ORDERING INFORMATION**

XX	- <u>X</u> <u>513</u> - <u>X</u>	KXX
		Collet/Shell Plating Options  10 = Au Collet/Sn Shell  10H = 30µ" Au Collet/Sn Shell  10T = Sn Collet/Sn Shell  10TL = Sn/Pb Collet and Shell  11 = Au Collet/Au Shell  11H = 30µ" Au Collet/AuShell
		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]
L		No. of Pins (See Table)

Centers "Y"	Dim. "Z" ±0.010 [0.254]	Body Style	Available Sizes
0.200 [5.08]	0.300 [7.62]	Α	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]	С	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]	В	2 thru 64

ALL DIMENSIONS: INCHES [MILLIMETERS] ALL TOLERANCES:  $\pm 0.005$  [0.13] UNLESS OTHERWISE SPECIFIED FOR COLLET SOCKETS WITH WIRE WRAP PINS, SEE <u>DATA SHEETS 12012</u> CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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