



Series X57X Quick-Release Universal Zero-Insertion-Force DIP Test Socket

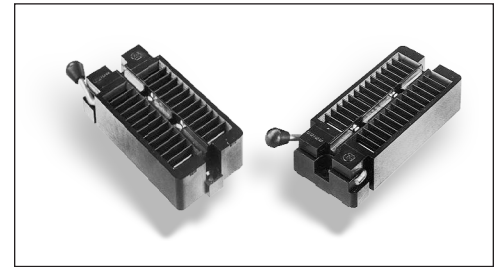
FEATURES

- Universal Test Socket accepts devices on 0.300 to 0.600 [7.62 to 15.24] centers
- All pin count sockets go into PCB with either 0.300 or 0.600 [7.62 to 15.24] centers
- Swing quick-release handle down to open contacts and insert device. Release and handle automatically returns as contacts close onto device leads
- Socket handle can be mounted on either the right or left side
- Sockets can be soldered into PCBs or plugged into any socket

SPECIFICATIONS

- Standard Socket Body: (for -10, -10TL, -11, -16 sockets) black UL 94V-0 glass-filled Polyphenylene Sulfide (PPS)
- High-temperature Socket Body: (for -18 socket) natural color Polyetheretherketone (PEEK)
- Handle: Stainless Steel
- Handle Knob: Brass Alloy 360, 1/2-hard (no knob on loop handle)
- Contact Material: (for -10, -10TL, -11) Be-Cu 172 per QQ-C-553; (for -16) Spinodal Alloy; (for -18) Be-Ni 360, 1/2-hard
- All Be-Cu Contacts: 50μ [1.27μ] min. Nickel under plate per QQ-N-290, over plated with either: -10 200μ [5.08μ] min. matte Tin per ASTM B545-97; or -10TL 200μ [5.08μ] min. 90/10 Tin/Lead per MIL-T-10727-11 10μ [0.25μ] min. Gold per MIL-G-45204
- Spinodal Contact Plating: (for -16) 50μ [1.27μ] min. Nickel Boron
- High-temperature Be-Ni Contact Plating: (for -18) 50μ [1.27μ] Nickel Boron
- Contact Current Rating: 1 amp
- Insulation Resistance: 1000 MOhms minimum
- Dielectric Withstanding Voltage: 1000 VAC
- Life Cycle: 25,000 to 50,000 cycles
- Operating Temperature: minimum -67°F [-55°C]; maximum 221°F [105°C] for Tin plating, 302°F [150°C] for Gold plating, 392°F [200°C] for Nickel Boron plating, 482°F [250°C] for high-temperature socket
- Retention Force (closed): 55 grams/pin based on a 0.020 [0.51] diameter test lead
- Accepts Leads: 0.015-0.035 [0.38-0.89] wide, 0.110-0.280 [2.79-7.11] long

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.

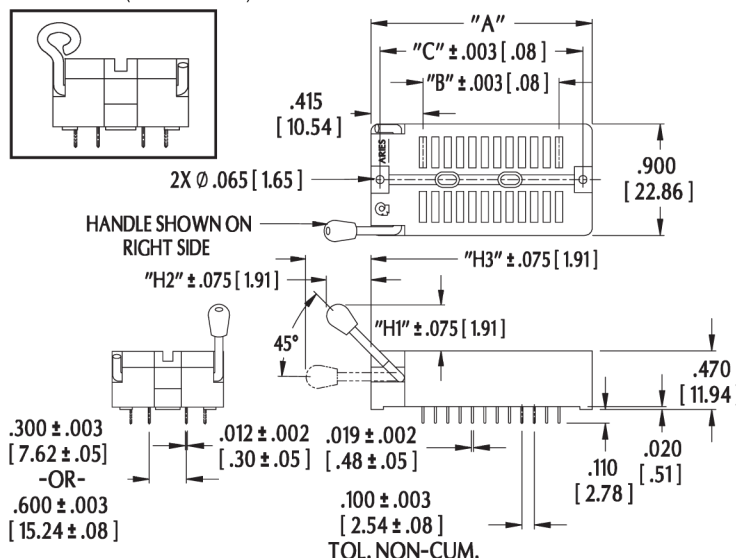


MOUNTING CONSIDERATIONS

- See socket footprint below

ALL DIMENSIONS: INCHES [MILLIMETERS]

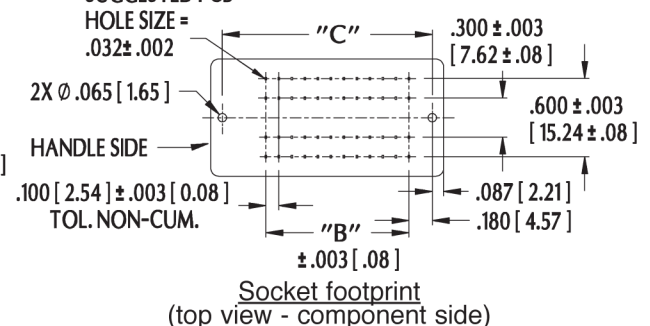
LOOP HANDLE (shown left side)



"A" = (NO. OF PINS PER ROW x 0.100 [2.54]) + 0.590 [14.99]
"B" = (NO. OF PINS PER ROW - 1) x 0.100 [2.54]
"C" = (NO. OF PINS PER ROW x 0.100 [2.54]) + 0.415 [10.54]
All tolerances ±0.005 [0.13] unless otherwise specified

Handle	Dim. "H1"	Dim. "H2"	Dim. "H3"
Long w/ knob	.568 [14.43]	.471 [11.96]	.760 [19.30]
Short w/ knob	.317 [8.05]	.252 [6.40]	.435 [11.05]
Loop (no knob)	.270 [6.86]	.193 [4.90]	.405 [10.29]

SUGGESTED PCB



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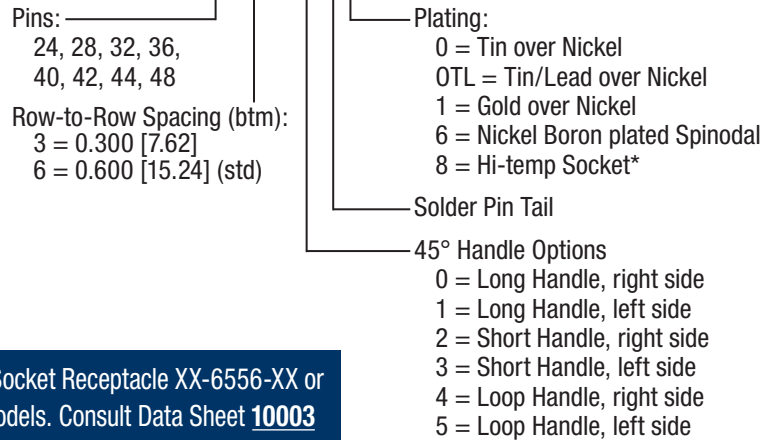
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ORDERING INFORMATION

XX-X57X-18



Socket fits Aries Test Socket Receptacle XX-6556-XX or similar competitors' models. Consult Data Sheet [10003](#)

*NOTE: only Loop Handle available w/hi-temp. socket



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