



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

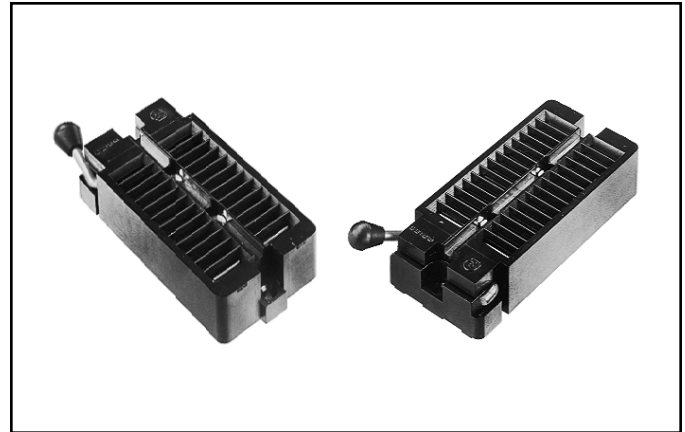
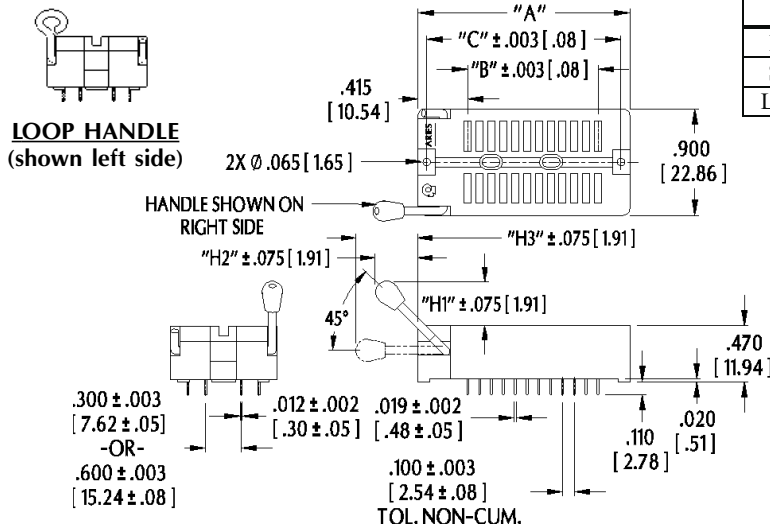
## FEATURES:

- Aries' Universal Test Socket accepts devices on .300 to .600 [7.62 to 15.24] centers.
  - All pin count sockets go into PCB with either .300 or .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:
- Socket body is black UL 94V-0 Glass-filled Polyphenylene Sulfide (PPS). Hi-temp. body is natural Poly Ether Ether Ketone (PEEK).
  - Handle is Stainless Steel.
  - Handle knob is Brass Alloy 360, 1/2 hard (no knob on loop handle).
  - Contacts are Beryllium Copper Alloy 172 per QQ-C-533 or Spinodal Alloy. Hi-temp. contact are Beryllium Nickel Alloy 360, 1/2 hard.
  - Beryllium Copper contact plating is either 100µ [2.54µm] min. Tin per MIL-T-10727 or 10µ [.25µm] min. Gold per MIL-G-45204 over 50µ [1.27µm] min. Nickel per QQ-N-290.
  - Spinodal contact plating is 50µ [1.27µm] Nickel Boron.
  - Hi-temp. Beryllium Nickel contact plating is 50µ [1.27µm] Nickel Boron.
  - Contact current rating=1 Amp.
  - Insulation resistance=1000 MOhms min.
  - Dielectric withstanding voltage=1000 VAC.
  - Life cycle: 25,000 to 50,000 cycles.
  - Operating temp.:
    - 221°F [105°C] Tin plating,
    - 302°F [150°C] Gold plating,
    - 392°F [200°C] Nickel Boron plating.
    - 572°F [300°C] hi-temp. socket.
  - Retention Force (when closed)=55 grams/pin based on a .020 [.51] diameter test lead.
  - Accepts leads .015-.035 [.38-.89] wide, .110-.280 [2.79-7.11] long.
- ## MOUNTING CONSIDERATIONS:
- See socket footprint below.

All tolerances ± .005 [.13] unless otherwise specified

ALL DIMENSIONS: INCHES [MILLIMETERS]

"A"=(NO. OF PINS PER ROW X .100 [2.54]) + .590 [14.99]  
 "B"=(NO. OF PINS PER ROW - 1) X .100 [2.54]  
 "C"=(NO. OF PINS PER ROW X .100 [2.54]) + .415 [10.54]



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

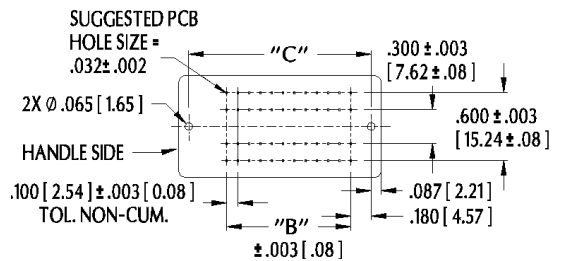
XX - X 5 7 X - 1 X

- No. of pins: 24, 28, 32, 36, 40, 42, 44, 48
- Row-to-row spacing (bottom): 3=.300 [7.62], 6=.600 [15.24] (std.)
- Plating:
  - 0= Tin over Nickel
  - 1= Gold over Nickel
  - 6= Nickel Boron Plated Spinodal
  - 8= hi-temp. socket\*
- Solder tail pin
- 45° handle options:
  - 0= long handle, right side
  - 1= long handle, left side
  - 2= short handle, right side
  - 3= short handle, left side
  - 4= loop handle, right side
  - 5= loop handle, left side

Socket fits Aries' Test Socket Receptacle XX-6556-XX or similar competitors' models. Consult Data Sheet No. 10003.

\*Note: only loop handle avail. with hi-temp. socket

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]



SOCKET FOOTPRINT (top view - component side)