



Series X55X Universal Zero Insertion Force DIP Test Socket

FEATURES

- Aries' 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.
- Contacts are normally closed to eliminate dependence on plastic to sustain contact.
- Socket handle can be configured with closed contacts (on) when in the UP or DOWN position, and can be mounted on either the right or left side.
- Sockets can be soldered into PCBs or plugged into any socket. Socket fits into Aries' or any competitive test socket receptacle.

SPECIFICATIONS

- Socket Body: black UL 94V-0 Glass-filled Polyphenylene Sulfide (PPS)
- Handle: Stainless Steel
- Handle Knob: Brass Alloy 360, 1/2-hard
- Contacts: Beryllium Copper 172 per QQ-C-533 or Spinodal
- All Beryllium Copper contacts have a 50μ" [1.27μm] min. Nickel underplate per QQ-N-290, overplated with either -10 = 200μ" [5.08μm] min. Matte Tin per ASTM B545-97 -10TL or 200μ" [5.08μm] 90/10 Tin/Lead per MIL-T-10727 -11 = 10μ" [0.25μm] min. Gold per MIL-G-45204
- Spinodal Contact Plating: -16 = 50μ [1.27μm] min. 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: 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
- Retention Force (when closed): 55 grams/pin based on a 0.020 [0.51] diameter test lead
- Accepts Leads 0.015-0.045 [0.38-1.14] wide, 0.110-0.280 [2.79- 7.11] long

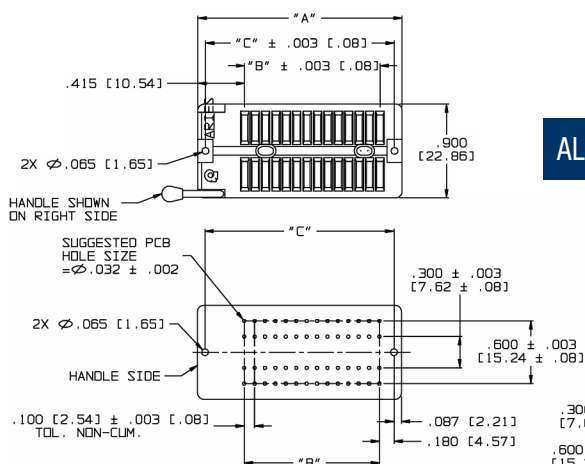
MOUNTING CONSIDERATIONS

- See socket footprint below.

"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 DIMENSIONS: INCHES [MILLIMETERS]

ORDERING INFORMATION

XX-X55X-1X

Pins:

24, 28, 32, 36,
40, 42, 44, 48

Row-to-Row Spacing (btm):

3 = 0.300 [7.62]
6 = 0.600 [15.24]

Plating:

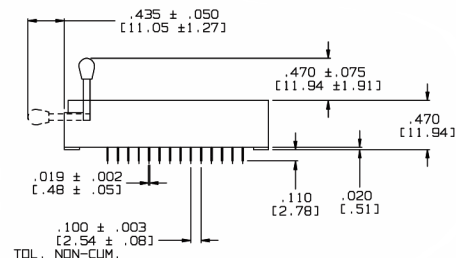
0 = Tin over Nickel
0TL = Tin/Lead over Nickel
1 = Gold over Nickel
6 = Nickel Boron plated Spinodal

Solder Pin Tail

Handle Options

1 = Left, up is on
2 = Right, up is on
3 = Left, down is on
4 = Right, down is on (std)

NOTE: "on" = closed contacts



Bristol, PA 19007-6810 USA
TEL (215) 781-9956 • FAX (215) 781-9845
WWW.ARIESELEC.COM • INFO@ARIESELEC.COM



PRINTOUTS OF THIS DOCUMENT MAY BE OUT OF DATE AND SHOULD BE CONSIDERED UNCONTROLLED

10001
Rev. E