**Series X55X Universal Zero Insertion Force DIP Test Socket**

**FEATURES:**
- All pin count sockets go into PCB with either .300 or .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 is black UL 94V-0 Glass-filled Polyphenylene Sulfide (PPS).
- Handle is Stainless Steel.
- Handle knob is Brass Alloy 360, 1/2 hard.
- Contacts are Beryllium Copper Alloy 172 per QQ-C-533 or Spinodal Alloy.
- Beryllium Copper contact plating is either 100μ [2.54μm] min. Tin per MIL-T-10727 or 10μ [2.5μm] 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.
- Contact current rating=1 Amp.
- Insulation resistance=1000 MOhms min.
- Dielectric withstand voltage=1000 VAC.
- Life cycle: 25,000 to 50,000 cycles.
- Retention Force (when closed)=55 grams/pin based on a .020 [.51] diameter test lead.

**ORDERING INFORMATION**

**XX-X55X-1X**

- No. of pins: 24, 28, 32, 36, 40, 42, 44, 48
- Plating: 0=Tin over Nickel 1=Gold over Nickel 6=Nickel Boron Plated Spinodal
- Handle options: 1=Left, up is on 2=Right, up is on 3=Left, down is on 4=Right, down is on (std.)
- Socket fits Aries’ Test Socket Receptacle XX-6556-XX or similar competitors’ models. Consult Data Sheet No. 10003.

**MOUNTING CONSIDERATIONS:**
- See socket footprint below.

** 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] |

**SUGGESTED PCB HOLE SIZE**  

| 2X Ø .065 [1.65] |

**HANDLE SHOWN ON RIGHT SIDE**

**SOCKET FOOTPRINT**

( top view - component side )

**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.