



Series X55X High Temperature 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 or 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. Socket fits into Aries' test socket receptacle on Data Sheet 10003.

SPECIFICATIONS:

- Socket body is natural UL 94V-0 Glass-filled Polyetheretherketone (PEEK).
- Handle is Stainless Steel.
- Contacts are Beryllium Nickel Alloy 360, 1/2 hard.
- Contact plating is 50μ [1.27μm] Nickel Boron.
- Contact current rating=1 Amp.
- Operating temperature=482°F [250°C].
- Retention Force (when closed)=55 grams/pin based on a .020 [.51] diameter test lead.
- Insulation resistance=1000 MOhms min.
- Dielectric withstanding voltage=1000 VAC.
- Life cycle: 25,000 to 50,000 cycles.
- Accepts leads .015-.045 [.38-1.14] wide, .110-.280 [2.79-7.11] long.

MOUNTING CONSIDERATIONS:

- See socket footprint below.

DO NOT LEAVE THE SOCKET ON THE "CONTACT OPEN" OR "OFF POSITION" WHILE UNDER TEMPERATURE IN THE BURN-IN OVEN.

ALL DIMENSIONS: INCHES [MILLIMETERS]

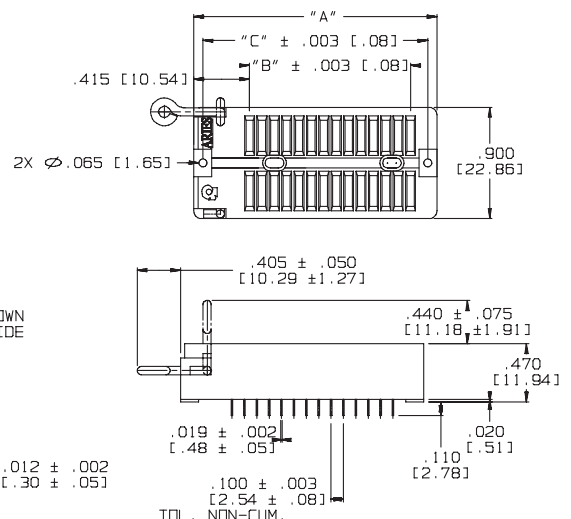
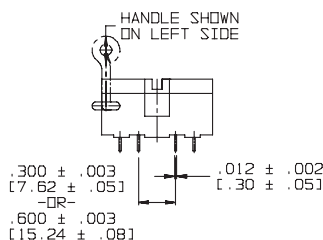
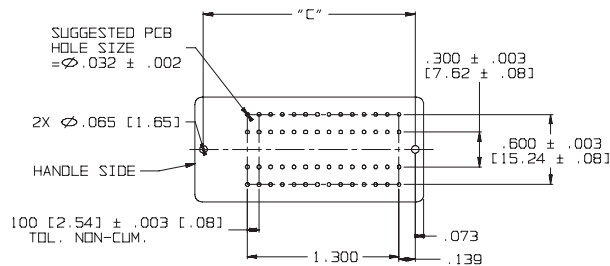
All tolerances ± .005 [.13] unless otherwise specified

Socket fits Aries' Series 6556 Test Socket Receptacle.
Consult Data Sheet No. 10003.

"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-X55X-18

No. of pins:
24, 28, 32, 36,
40, 42, 44, 48

Nickel Boron plating
Solder tail pin

Row-to-row spacing (bottom):
3=.300 [7.62]
6=.600 [15.24] (std.)

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



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