



Series X55X High-Temperature Universal Zero-Insertion-Force DIP Test Socket

FEATURES

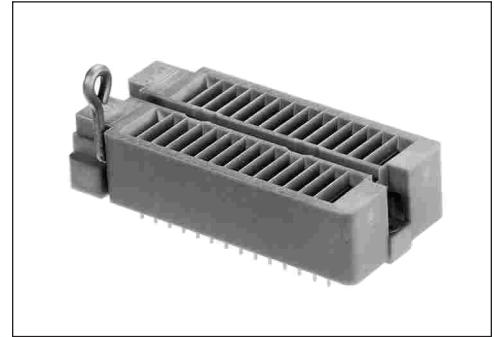
- Universal Test Socket accepts devices on 0.300 to 0.600 [7.62 to 15.24] centers
- All pin count sockets go into PCB with either 0.300 or 0.600 [7.62 or 15.24] centers
- Contacts are normally closed to eliminate dependence on plastic to sustain contact
- Socket handle can be configured with closed contacts (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**

GENERAL SPECIFICATIONS

- SOCKET BODY: natural UL 94V-0 glass-filled Polyetheretherketone (PEEK)
- HANDLE: Stainless Steel
- CONTACTS: BeNi 360, 1/2-hard
- CONTACT PLATING: 50μ [1.27μ] NiB
- CONTACT CURRENT RATING: 1 amp
- OPERATING TEMPERATURE: -67°F [-55°C] min.; 482°F [250°C] max.
- RETENTION FORCE (closed): 55g/pin based on a 0.020 [0.51] dia. test lead
- INSULATION RESISTANCE: 1000 mΩ min.
- DIELECTRIC WITHSTANDING VOLTAGE: 1000 VAC
- LIFE CYCLE: 25,000 to 50,000 cycles
- 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



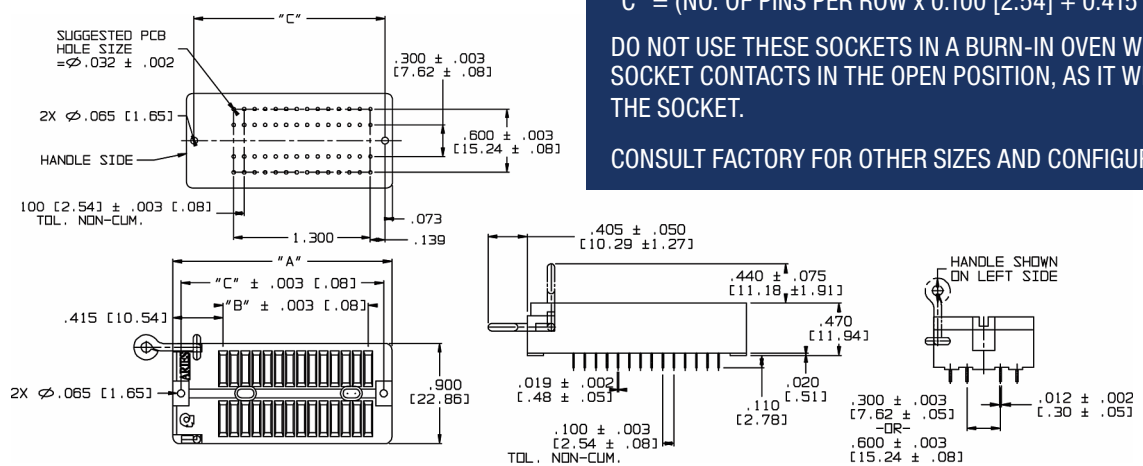
CUSTOMIZATION: In addition to the standard products shown on this page, Aries specializes in custom design and production. Special materials, platings, sizes, and configurations can be furnished, depending on the quantity. **NOTE:** Aries reserves the right to change product general specifications without notice.

ORDERING INFORMATION

XX-X55X-1 8

Pins _____
 24, 28, 32, 36,
 40, 42, 44, 48
 Row-to-Row Spacing (btm) _____
 3 = 0.300 [7.62]
 6 = 0.600 [15.24] (std)

NiB Plating
 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



ALL DIMENSIONS: INCHES [MILLIMETERS]
 ALL TOLERANCES: ± 0.005 [0.13] UNLESS OTHERWISE SPECIFIED
 “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]
DO NOT USE THESE SOCKETS IN A BURN-IN OVEN WITH THE SOCKET CONTACTS IN THE OPEN POSITION, AS IT WILL DAMAGE THE SOCKET.
 CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS



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Rev. AB