



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

FEATURES

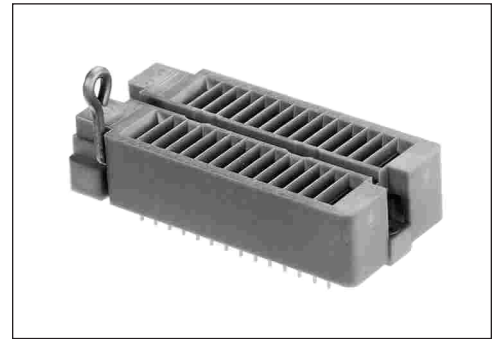
- Universal Test Socket accepts devices on 0.300 to 0.600 [7.62 to 15.24] centers
- All pin count sockets go into PCB with either 0.300 or 0.600 [7.62 or 15.24] centers
- Contacts are normally closed to eliminate dependence on plastic to sustain contact
- Socket handle can be configured with closed contacts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



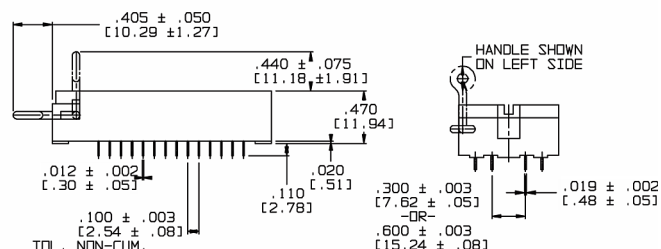
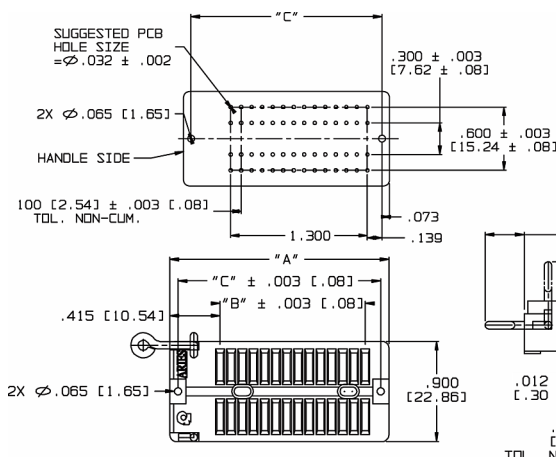
CUSTOMIZATION: In addition to the standard products shown on this page, Aries specializes in custom design and production. Special materials, platings, sizes, and configurations can be furnished, depending on the quantity. **NOTE:** Aries reserves the right to change product general specifications without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



ARIES
ELECTRONICS, INC.

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

10002
Rev. AC

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Aries:

[40-3553-18*](#) [40-6553-18*](#) [48-3553-18*](#) [48-6553-18*](#) [44-6553-18*](#) [44-3553-18*](#) [42-6553-18*](#) [42-3553-18*](#) [24-6552-18*](#) [24-3552-18*](#) [28-3552-18*](#) [28-6552-18*](#) [24-3553-18*](#) [24-6553-18*](#) [28-6553-18*](#) [28-3553-18*](#) [36-6551-18*](#) [36-3551-18*](#) [32-3551-18*](#) [32-6551-18*](#) [32-6553-18*](#) [32-3553-18*](#) [42-6552-18*](#) [42-3552-18*](#) [36-3553-18*](#) [36-6553-18*](#) [48-3552-18*](#) [48-6552-18*](#) [40-6552-18*](#) [40-3552-18*](#) [44-3552-18*](#) [44-6552-18*](#) [44-3551-18*](#) [44-6551-18*](#) [40-6551-18*](#) [40-3551-18*](#) [48-3551-18*](#) [32-3552-18*](#) [32-6552-18*](#) [36-6552-18*](#) [36-3552-18*](#) [42-3551-18*](#) [42-6551-18*](#) [28-3551-18*](#) [24-3551-18*](#) [24-6551-18*](#)