



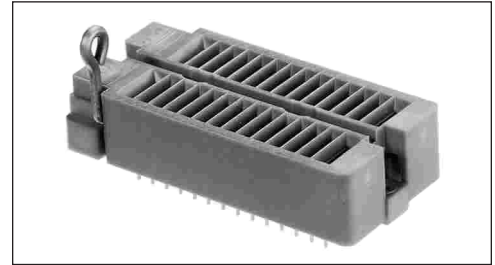
# Series X55X High-Temperature Universal Zero-Insertion-Force DIP Test Socket

## 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](#)

## SPECIFICATIONS

- Socket Body: natural UL 94V-0 Glass-filled Polyetheretherketone (PEEK)
- Handle: Stainless Steel
- Contacts: Beryllium-Nickel 360, 1/2-hard
- Contact Plating: 50µ [1.27µm] Nickel-Boron
- Contact Current Rating: 1 amp
- Operating Temperature: minimum -67°F [-55°C]; maximum 482°F [250°C]
- Retention Force (closed): 55 grams/pin based on a 0.020 [0.51] diameter test lead
- Insulation Resistance: 1000 MOhms minimum
- 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



**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 specifications without notice.

## MOUNTING CONSIDERATIONS

- See socket footprint below
- Do not use these sockets in a burn-in oven with the socket contacts in the open position, as it will damage the sockets.

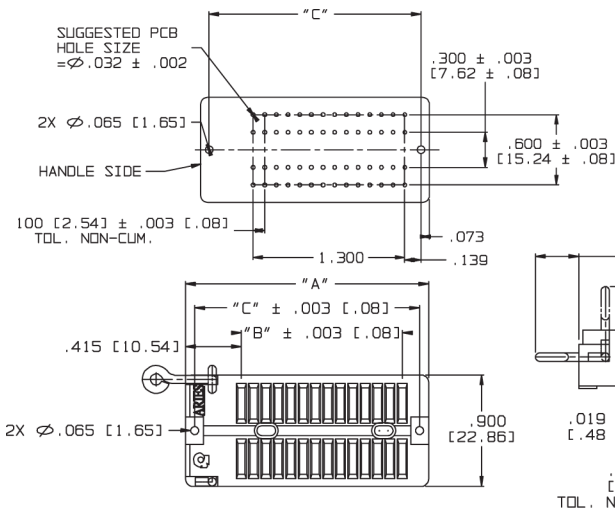
## ORDERING INFORMATION

XX-X55X-18

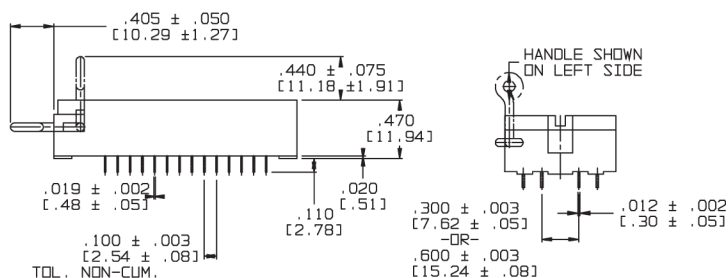
Pins: \_\_\_\_\_  
 24, 28, 32, 36,  
 40, 42, 44, 48  
 Row-to-Row Spacing (btm):  
 3 = 0.300 [7.62]  
 6 = 0.600 [15.24] (std)

Plating:  
 Nickel Boron  
 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

"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]



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