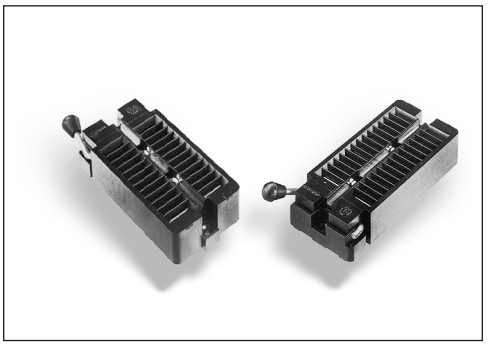
Series X55X Universal Zero-Insertion-Force DIP Test Socket

FEATURES

- Aries 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 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.



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.

GENERAL SPECIFICATIONS

- SOCKET BODY: black UL 94V-0 glass-filled Polyphenylene Sulfide (PPS)
- HANDLE: Stainless Steel
- HANDLE KNOB: Brass 360, 1/2-hard
- CONTACTS: BeCu 172 per QQ-C-533 or NiB (Spinodal)
- CONTACT PLATING: 50µ [1.27µ] min. Ni under-plate per QQ-N-290, over-plated with either 200µ [5.08µ] min. matte Sn per ASTM B545-97 or 200µ [5.08µ] 90/10 Sn/Pb per MIL-T-10727 or 10µ [0.254µ] min. Au per MIL-G-45204
- SPINODAL CONTACT PLATING: 50µ [1.27µ] min. NiB
- CONTACT CURRENT RATING: 1 amp
- INSULATION RESISTANCE: 1000 mΩ min.
- DIELECTRIC WITHSTANDING VOLTAGE: 1000 VAC
- LIFE CYCLE: 25,000 to 50,000 cycles
- OPERATING TEMPERATURE: -67°F [-55°C] min.; 221°F [105°C] max. for Sn plating; 302°F [150°C] for Au plating; 392°F [200°C] for NiB plating
- RETENTION FORCE (closed): 55g/pin based on a 0.020 [0.51] dia. test lead
- ACCEPTS LEADS: 0.015-0.045 [0.38-1.14] wide, 0.110-0.280 [2.79-7.11] long

ORDERING INFORMATION

XX-X55X-1 X

Pins
24, 28, 32, 36, 40, 42, 44, 48

Row-to-Row Spacing (btm)
3 = 0.300 [7.62]
6 = 0.600 [15.24]

Plating
0 = Sn over Ni
0TL = Sn/Pb over Ni
1 = Au over Ni
6 = NiB (Spinodal)

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

MOUNTING CONSIDERATIONS

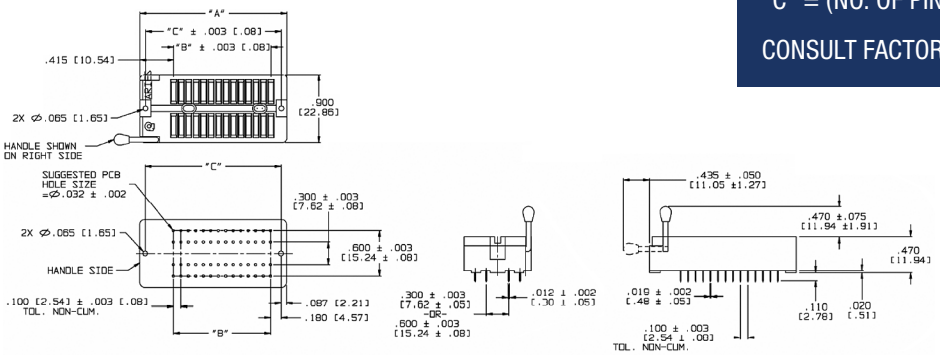
- See Socket Footprint below

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]

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS



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ISO9001 ACCREDITED ANAB RoHS Compliant Pb