

Series 55 Universal Zero-Insertion-Force DIP Test Socket

FEATURES

- 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 Normally-closed to Eliminate Dependence on Plastic to Sustain Contact Integrity
- Socket Handle Configured with Closed Contacts (on) when in the Up or Down Position, and Mounted on the Right- or Left-hand Side
- Sockets may be Soldered into PCBs or Plugged into Any Socket or Receptacle



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- Spinodal Alloy
- 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 –0R– 50μ [1.27μm] NiB
- CONTACT CURRENT RATING: 1 amp
- INSULATION RESISTANCE: $1000 \text{ M}\Omega$ min.
- DIELECTRIC WITHSTANDING VOLTAGE: 1000 VAC
- LIFE CYCLE: 25,000 to 50,000 cycles
- OPERATING TEMPERATURE: 221°F [105°C] Sn plating; 302°F [150°C] Au plating; 392°F [200°C] 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

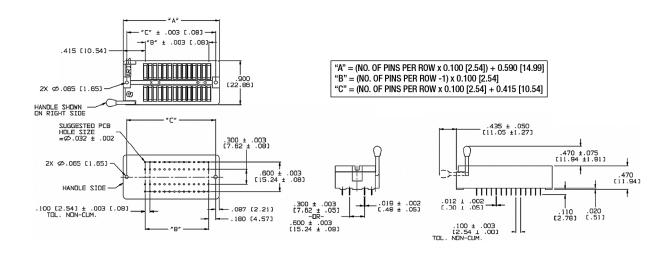
MOUNTING CONSIDERATIONS

· See Socket Footprint

XX-X55X-X X Plating 0 = Sn over Ni OTL = Sn/Pb over Ni 1 = Au over Ni 6 = NiB (Spinodal only) **Termination** 1 = Solder Pin Tail **Handle Options** 1 = Left up is closed 2 = Right up is closed 3 = Left down is closed 4 = Right down is closed (std) Row-to-Row Spacing (btm) $3 = 0.300 \, [7.62]$ 6 = 0.600 [15.24]No. of Pins

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

ORDERING INFORMATION



ALL DIMENSIONS: INCHES [MILLIMETERS]
ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
FOR TEST SOCKET RECEPTACLES, SEE <u>DATA SHEET 10003</u>
DO NOT USE THIS SOCKET IN A BURN-IN OVEN WITH CONTACTS IN OPEN
POSITION, AS IT WILL DAMAGE THE SOCKET
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

CUSTOMIZATION: ARIES SPECIALIZES IN CUSTOM DESIGN AND PRODUCTION. SPECIAL MATERIALS, PLATINGS, SIZES, AND CONFIGURATIONS CAN BE FURNISHED, DEPENDING ON QUANTITY.

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