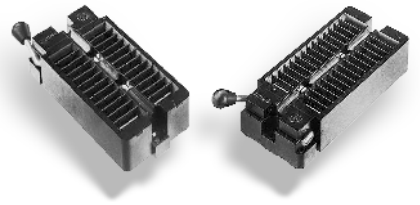
Series 55 Universal Zero-Insertion-Force DIP Test Socket

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
- **ALL BeCu CONTACTS**: 50µ [1.27µ] min. Ni under plate per QQ-N-290, over plated with 200µ [5.08µ] min. matte Sn per ASTM B545-97; **–OR–** 200µ [5.08µ] min. 90/10 Sn/Pb per MIL-T-10727-11 10µ [0.25µ] min. Au per MIL-G-45204
- **SPINODAL CONTACT PLATING**: 50µ [1.27µ] min. NiB
- **HIGH-TEMPERATURE BeNi CONTACT PLATING**: 50µ [1.27µ] 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**: -85°F to 221°F [-65°C to 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

ORDERING INFORMATION

XX-X55X-X X

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

Termination
1 = Solder Pin Tail

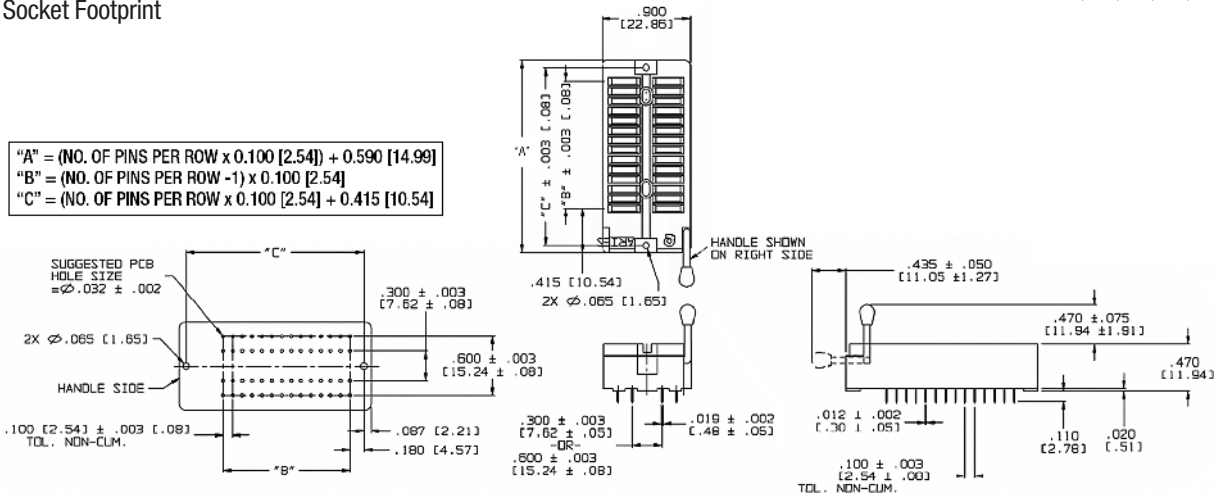
Handle Options
1 = Left up is closed
2 = Right up is closed
3 = Left down is closed
4 = Right down is closed (std)

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

MOUNTING CONSIDERATIONS

- See Socket Footprint



ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

FOR TEST SOCKET RECEPTACLES, SEE DATA SHEET 10003

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.

ARIES RESERVES THE RIGHT TO CHANGE PRODUCT GENERAL SPECIFICATIONS WITHOUT NOTICE

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