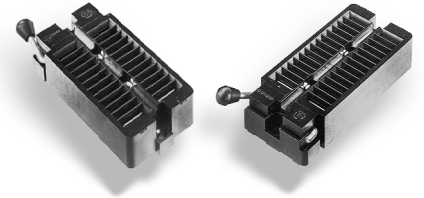




Series 55 Universal Zero-Insertion-Force DIP Test Socket

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-** BeNi 360 1/2-hard
- **CONTACT PLATING:** 50 μ [1.27 μ] min. Ni under-plate per QQ-N-290, over-plated with either 200 μ [5.08 μ] min. matte Sn per ASTM B545-97 **-OR-** 200 μ [5.08 μ] 90/10 Sn/Pb per MIL-T-10727 or 10 μ [0.254 μ] min. Au per MIL-G-45204
- **BeNi CONTACT PLATING:** 50 μ [1.27 μ] min. NiB
- **CONTACT CURRENT RATING:** 1 amp
- **INSULATION RESISTANCE:** 1000 M Ω 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

MOUNTING CONSIDERATIONS

- See Socket Footprint

ORDERING INFORMATION

XX-X55X-X X

Plating

- 0 = Sn over Ni
- OTL = Sn/Pb over Ni
- 3 = 0.300 [7.62]
- 1 = Au over Ni
- 6 = NiB (BeNi contact only)

Termination

- 1 = Solder Pin Tail

Handle Options

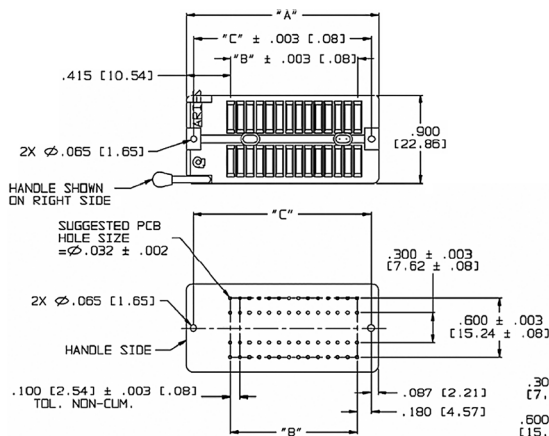
- 1 = Left up is closed
- 2 = Right up is closed
- 3 = Left down is closed
- 4 = Right down is closed (std)

Row-to-Row Spacing (btm)

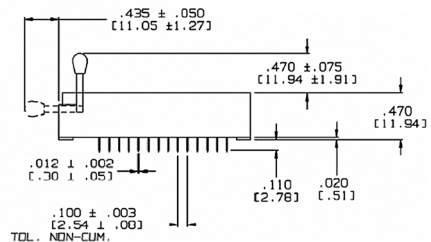
- 3 = 0.300 [7.62]
- 6 = 0.600 [15.24]

No. of Pins

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



$$\begin{aligned}
 \text{"A"} &= (\text{NO. OF PINS PER ROW} \times 0.100 [2.54]) + 0.590 [14.99] \\
 \text{"B"} &= (\text{NO. OF PINS PER ROW} - 1) \times 0.100 [2.54] \\
 \text{"C"} &= (\text{NO. OF PINS PER ROW} \times 0.100 [2.54]) + 0.415 [10.54]
 \end{aligned}$$



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.

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