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

MOUNTING CONSIDERATIONS
- See Socket Footprint

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>XX-X55X-X X</th>
<th>Plating</th>
<th>Termination</th>
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<tbody>
<tr>
<td></td>
<td>0 = Sn over Ni</td>
<td>1 = Solder Pin Tail</td>
</tr>
<tr>
<td></td>
<td>0TL = Sn/Pb over Ni</td>
<td>6 = NiB (Spinodal only)</td>
</tr>
<tr>
<td></td>
<td>1 = Au over Ni</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6 = NiB (Spinodal only)</td>
<td></td>
</tr>
<tr>
<td>Handle Options</td>
<td>1 = Left up is closed</td>
<td>Row-to-Row Spacing (btm)</td>
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<tr>
<td></td>
<td>2 = Right up is closed</td>
<td>3 = 0.300 [7.62]</td>
</tr>
<tr>
<td></td>
<td>3 = Left down is closed</td>
<td>6 = 0.600 [15.24]</td>
</tr>
<tr>
<td></td>
<td>4 = Right down is closed (std)</td>
<td></td>
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<tr>
<td>No. of Pins</td>
<td>24, 28, 32, 36, 40, 42, 44, 48</td>
<td></td>
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SUGGESTED PCB

- Hole Size: 0.052 ± 0.002
- 2K 0.095 (1.05)
- HANDLE SIZE: 0.102 ± 0.002
- TDL. NON-CUM.

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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