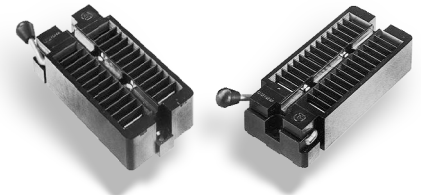




Series 57 Quick-Release Universal Zero-Insertion-Force DIP Test Socket

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
- Quick-release Handle Swings Down to Open Contacts for Device Insertion; Releasing Handle Automatically Returns to Close onto Device Leads
- Handle Mounted on either Right- or Left-hand Side
- Solder into PCBs or Plugged into Any Socket



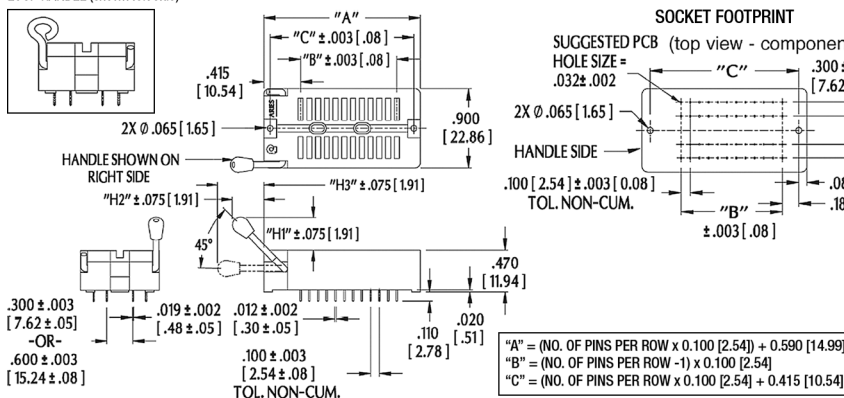
GENERAL SPECIFICATIONS

- **STANDARD SOCKET BODY:** Black UL 94V-0 Glass-filled Polyphenylene Sulfide (PPS)
- **HIGH-TEMP SOCKET BODY:** natural color Polyetheretherketone (PEEK)
- **HANDLE:** Stainless Steel
- **HANDLE KNOB:** Brass 360, 1/2-hard (no Knob on Loop handle)
- **CONTACT MATERIAL:** BeCu 172 per QQ-C-553; Spinodal; BeNi 360, 1/2-hard
- **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:** min. -67°F [-55°C]; max. 221°F [105°C] for Sn plating, 302°F [150°C] for Au plating, 392°F [200°C] for NiB plating, 482°F [250°C] for high-temp socket
- **RETENTION FORCE (closed):** 55g/pin based on a 0.020 [0.51] dia. test lead
- **ACCEPTS LEADS:** 0.015-0.035 [0.38-0.89] wide, 0.110-0.280 [2.79-7.11] long

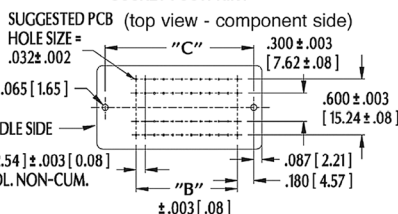
MOUNTING CONSIDERATIONS

- See **SOCKET FOOTPRINT** below

LOOP HANDLE (shown left side)



SOCKET FOOTPRINT



Handle	Dim "H1"	Dim. "H2"	Dim "H3"
Long w/ Knob	0.568 [14.43]	0.300 [7.62]	0.471 [11.96]
Short w/ Knob	0.317 [8.05]	0.400 [10.16]	0.252 [6.40]
Loop (no Knob)	0.270 [6.86]	0.193 [4.90]	0.405 [10.29]

ORDERING INFORMATION

XX-X 57 X-X X

Plating

- 0 = Sn over Ni
- 0TL = Sn/Pb over Ni
- 1 = Au over Ni
- 6 = NiB (Spinodal)
- 8 = Hi-temp Socket

Termination

- 1 = Solder Pin Tail

45° Handle Options

- 0 = Long Handle, Right Side
- 1 = Long Handle, Left Side
- 2 = Short Handle, Right Side
- 3 = Short Handle, Left Side
- 4 = Loop Handle, Right Side *
- 5 = Loop Handle, Left Side *

Series

Row-to-Row Spacing (btm)

- 3 = 0.300 [7.62]
- 6 = 0.600 [15.24] (Std)

Pins

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

* Hi-Temp Socket Only

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

FITS TEST SOCKET RECEPTACLE XX-6556-XX, SEE DATA SHEET 10003

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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ARIES
ELECTRONICS, INC.

2609 Bartram Road • Bristol, PA 19007-6810 USA
TEL 215-781-9956 • FAX 215-781-9845
WWW.ARIESELEC.COM • INFO@ARIESELEC.COM



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Rev. 1.5
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