



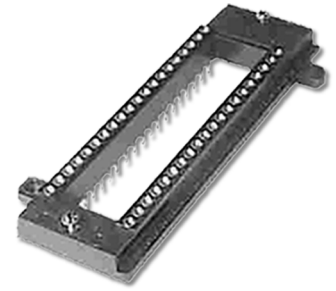
Series 6556 Universal Test Socket Receptacle

FEATURES

- Sturdy, Open-frame, Easily Mounts to PC Boards
- Easy Replacement of Test Sockets
- Threaded Inserts at Both Ends of the Receptacle provides Firm and Positive Connection for Test Socket
- Choice of 4 Collet Pin Styles makes the Receptacle Useful for Any Interconnection Method

GENERAL SPECIFICATIONS

- **SOCKET BODY:** black UL 94V-0 glass-filled Polyphenylene Sulfide (PPS)
- **PIN BODY:** Brass 360 1/2-hard per UNS C36000 ASTM B16/B16M-05
- **PIN BODY PLATING:** 100μ [2.54μ] Ni underplate per SAE AMS-QQ-N-290, overplated with either: 200μ [5.08μ] min. matte Sn per ASTM B545-97(2004)e1 **-OR-** 200μ [5.08μ] min. 93/7 Sn/Pb per ASTM B545 **-OR-** 10μ [0.25μ] min. Au per MIL-G-45204
- **4-FINGER COLLET CONTACT:** BeCu per UNS C17200 ASTM B194-08
- **CONTACT PLATING:** 30μ [0.76μ] min. Au per MIL-G-45204 over 50μ [1.27μ] min. Ni per QQ-N-290
- **HARDWARE:** Stainless Steel and Ni-plated Brass
- **CONTACT CURRENT RATING:** 3 amps
- **OPERATING TEMPERATURE:** 221°F [105°C] Sn plating; 302°F [150°C] Au plating
- **ACCEPTS LEADS:** 0.015-0.025 [0.38-0.64] in dia., 0.110-0.150 [2.54-3.81] long
- **INSERTION FORCE:** 180g/pin, based on 0.018 [0.46] dia. test lead
- **WITHDRAWAL FORCE:** 90g/pin, based on 0.018 [0.46] dia. test lead
- **NORMAL FORCE:** 140g/pin, based on 0.018 [0.46] dia. test lead



ORDERING INFORMATION

XX-6556-1 X

Handle Options

- 0 = Sn Body; Au Collet
- OTL = Sn/Pb Body; Au Collet
- 1 = Au Body; Au Collet

Pin Style (see Page 2)

- 1 = Solder Tail
- 2 = 2-level Wire Wrap
- 3 = 3-level Wire Wrap
- 4 = Solder Cup

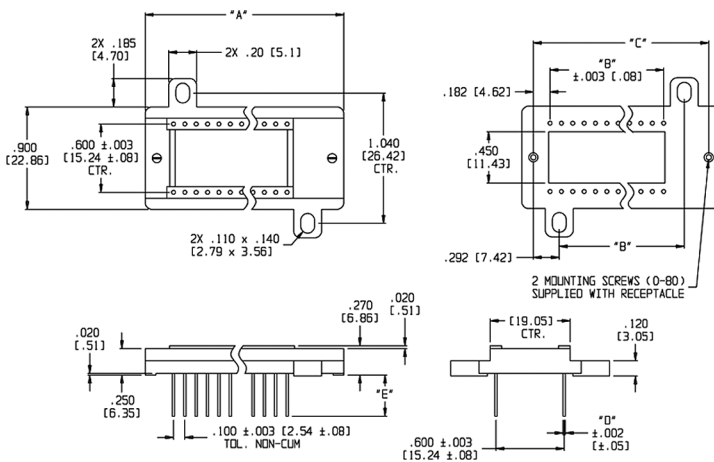
Series

Pins

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

MOUNTING CONSIDERATIONS

- See DIMENSION TABLE below



| # Pins | Dim. "A" | Dim. "B" | Dim. "C" |
|--------|---------------|---------------|---------------|
| 24 | 1.790 [45.47] | 1.100 [27.94] | 1.615 [41.02] |
| 28 | 1.990 [50.55] | 1.300 [33.02] | 1.815 [46.10] |
| 32 | 2.190 [55.63] | 1.500 [38.10] | 2.015 [51.18] |
| 36 | 2.390 [60.71] | 1.700 [43.18] | 2.215 [56.26] |
| 40 | 2.590 [65.79] | 1.900 [48.26] | 2.415 [61.34] |
| 42 | 2.660 [67.56] | 2.000 [50.80] | 2.515 [63.88] |
| 44 | 2.790 [70.87] | 2.100 [53.34] | 2.615 [66.42] |
| 48 | 2.990 [75.85] | 2.300 [58.42] | 2.815 [71.50] |

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

FOR UNIVERSAL TEST SOCKET SERIES X55X: SEE DATA SHEET 10001

FOR HIGH-TEMP VERSION: SEE DATA SHEET 10002

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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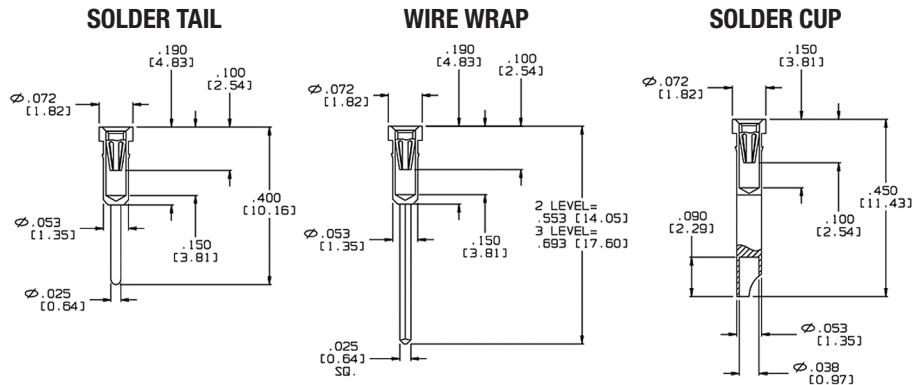
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Rev. 1.2
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Series 6556 Universal Test Socket Receptacle



| Pin Style | Dim. "D" ±0.002 [0.05] | Dim. "E" | Rec. PCB Hole Dia. Size ±0.002 [0.05] |
|-----------|---------------------------|---------------|--|
| 1 | 0.025 [0.64] | 0.130 [3.30] | 0.035 [0.89] |
| 2 | 0.025 [0.64] | 0.283 [7.19] | 0.044 [1.12] |
| 3 | 0.025 [0.64] | 0.423 [10.74] | 0.044 [1.12] |
| 4 | 0.053 [1.35] | 0.180 [4.57] | 0.063 [1.60] |

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