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

MOUNTING CONSIDERATIONS
- See DIMENSION TABLE below

ORDERING INFORMATION

XX-6556-1 X

Handle Options
0 = Sn Body; Au Collet
0TL = 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

--- | --- | --- | --- |
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] |

DIMENSION TABLE:

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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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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
Series 6556
Universal Test Socket Receptacle

<table>
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<tr>
<th>Pin Style</th>
<th>Dim. “D” ±0.002 [0.05]</th>
<th>Dim. “E”</th>
<th>Rec. PCB Hole Dia. Size ±0.002 [0.05]</th>
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<tbody>
<tr>
<td>1</td>
<td>0.025 [0.64]</td>
<td>0.130 [3.30]</td>
<td>0.035 [0.89]</td>
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<td>2</td>
<td>0.025 [0.64]</td>
<td>0.283 [7.19]</td>
<td>0.044 [1.12]</td>
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<td>3</td>
<td>0.025 [0.64]</td>
<td>0.423 [10.74]</td>
<td>0.044 [1.12]</td>
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<td>4</td>
<td>0.053 [1.35]</td>
<td>0.180 [4.57]</td>
<td>0.063 [1.60]</td>
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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

Customization: Aries specializes in custom design and production. Special materials, platings, sizes, and configurations can be furnished, depending on quantity.
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