



Series 6556 Universal Test Socket Receptacle

FEATURES:

- The Aries Universal Test Socket Receptacle is sturdy, open frame, and easily mounted to PC boards.
- Allows for easy replacement of Aries' and other manufacturers' test sockets.
- The threaded inserts at both ends of the receptacle provide a firm and positive connection for the test socket.
- A choice of four collet pin styles makes the receptacle useful for any interconnection method.

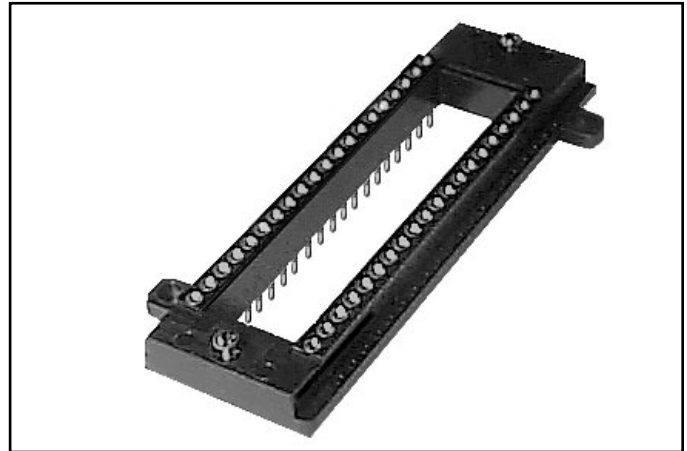
SPECIFICATIONS:

- Socket body is black UL 94V-0 Glass-filled Polyphenylene Sulfide (PPS).
- Pin body is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-85.
- Pin body plating is either 200 μ [5.08 μ m] min. 93/7 Tin/Lead per MIL-P-81728 or 10 μ [.25 μ m] min. Gold per MIL-G-45204 over 100 μ [2.54 μ m] min. Nickel per QQ-N-290.
- 4-fingered collet contact is Beryllium Copper Alloy per UNS C17200 ASTM-B194-92.
- Contact plating is 30 μ [.762 μ m] min. Gold per MIL-G-45204 over 50 μ [1.27 μ m] min. Nickel per QQ-N-290.
- Hardware is Stainless Steel and Nickel plated Brass.
- Contact current rating=3 Amps.
- Operating temperature=221°F [105°C] Tin plating, =302°F [150°C] Gold plating.
- Accepts leads .015-.025 [.38-.64] in diameter, .110-.150 [2.54-3.81] long.
- Insertion Force=180 grams/pin; Withdrawal Force=90 grams/pin; Normal Force=140 grams/pin; based on a .018 [.46] diameter test lead.

MOUNTING CONSIDERATIONS:

- See dimension table below.

ALL DIMENSIONS: INCHES [MILLIMETERS]



Note: Aries specializes in custom design and production. In addition to the standard products shown on this page, special materials, platings, sizes, and configurations can be furnished, depending on quantities. Aries reserves the right to change product specifications without notice.

ORDERING INFORMATION

XX-6556-XX

No. of pins
(see table)

Series

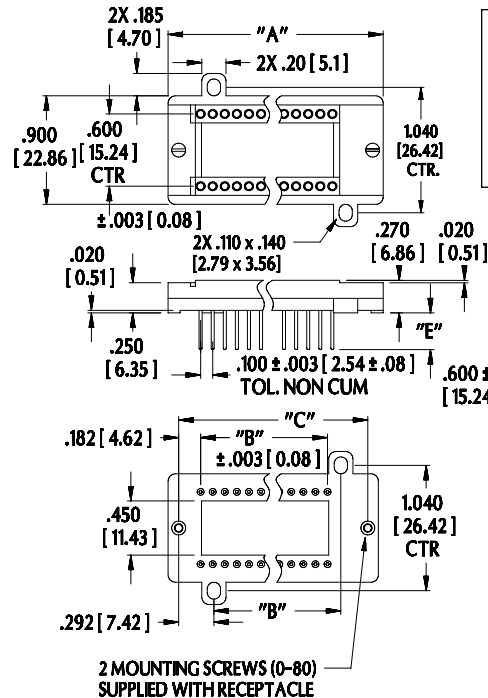
Plating:

0=Tin body/Gold collet
1=Gold body/Gold collet

Pin style:

1=solder tail
2=2 level wire wrap
3=3 level wire wrap
4=solder cup

All tolerances \pm .005 [.13]
unless otherwise specified



Receptacle accepts
Aries' Universal Test
Socket Series X55X.
Consult Data Sheet
Nos. 10001 and
10002 for details.

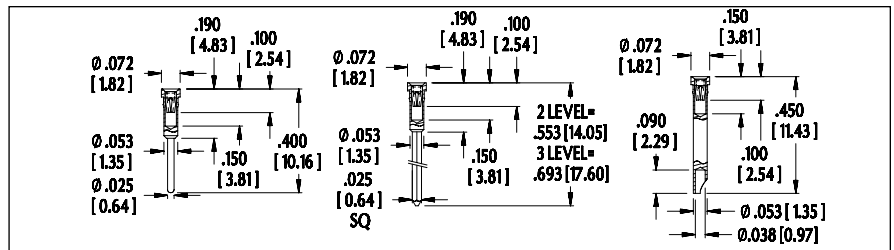
No. of Pins	Dim. "A"	Dim. "B"	Dim. "C"
24	1.790 [45.47]	1.100 [27.94]	1.615 [41.02]
28	1.990 [50.55]	1.300 [33.02]	1.815 [46.10]
32	2.190 [55.63]	1.500 [38.10]	2.015 [51.18]
36	2.390 [60.71]	1.700 [43.18]	2.215 [56.26]
40	2.590 [65.79]	1.900 [48.26]	2.415 [61.34]
42	2.660 [67.56]	2.000 [50.80]	2.515 [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]

Pin Style	Dim. "D" \pm .002 [.05]	Dim. "E"	Rec. PCB Hole Dia. Size \pm .002 [.05]
1	.025 [.64]	.130 [3.30]	.035 [.89]
2	.025 [.64]	.283 [7.19]	.044 [1.12]
3	.025 [.64]	.423 [10.74]	.044 [1.12]
4	.053 [1.35]	.180 [4.57]	.063 [1.60]

SOLDER TAIL

WIRE WRAP

SOLDER CUP



SIBALCO

Käppelinstraße 12 Tel. +49 (0) 7621 78011 info@sibalco.de
D-79576 Weil am Rhein Fax +49 (0) 7621 78013 www.sibalco.de

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REV.B