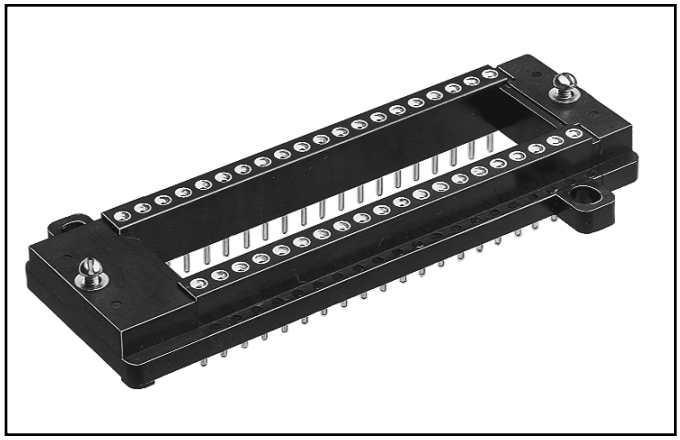
# *Series 6556*
# *Universal Test Socket Receptacle*

**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 QQ-B-626.**
- **Pin body plating is either 200µ [5.08µm] min. Tin per MIL-T-10727 or 10µ [.25µm] min. Gold per MIL-G-45204 over 100µ [2.54µm] min. Nickel per QQ-N-290.**
- **4-fingered collet contact is Beryllium Copper Alloy 172 HT per QQ-C-533.**
- **Contact plating is 30µ [.762µm] min. Gold per MIL-G-45204 over 50µ [1.27µm] min. Nickel per QQ-N-290.**
- **Hardware is Stainless Steel.**
- **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.**



*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

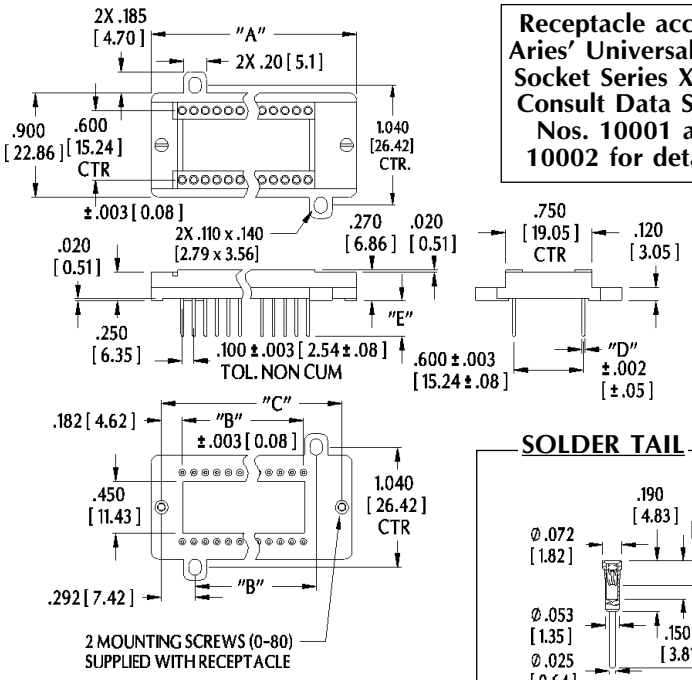
**XX-6556-XX**

- **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 DIMENSIONS: INCHES [MILLIMETERS]**

**All tolerances ± .005 [.13] unless otherwise specified**

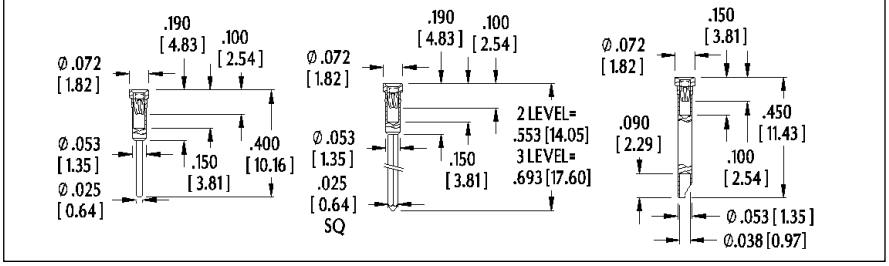
**Receptacle accepts Aries' Universal Test Socket Series X55X. Consult Data Sheet Nos. 10001 and 10002 for details.**




| 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" ± .002 [.05] | Dim. "E" | Rec. PCB Hole Dia. Size ± .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**





ARIES® ELECTRONICS, INC.
http://www.arieselec.com • info@arieselec.com

NORTH AMERICA
Frenchtown, NJ USA
TEL: (908) 996-6841
FAX: (908) 996-3891

UK/SCANDINAVIA/IRELAND
Milton Keynes, GB
TEL: +44 1908 260007
FAX: +44 1908 260008

EUROPE (MAINLAND)
Papendrecht, Holland
TEL: +31 78 615 94 65
FAX: +31 78 615 43 11