Correct-A-Chip™ Socket with Collet Contacts

FEATURES

- Correct-A-Chip™ technology solves problems associated with the use of alternate ICs (due to availability, obsolescence, need for better performance, etc.) by eliminating the need for new PCBs.
- Available with either 0.300 [7.62] or 0.600 [15.24] row-to-row spacing.

GENERAL SPECIFICATIONS

- FEMALE SOCKET MATERIAL: black UL 94V-0 glass-filled 4/6 Nylon
- PCB: FR-4, 0.062 [1.56] or 0.094 [2.39] thick
- MALE PIN: Brass 360 1/2-hard per UNS C36000, ASTM B16/B16M
- MALE PIN PLATING: 200µ [5.08µ] Sn/Pb 93/7 per ASTM B579-73 over 100µ [2.54µ] Ni per SEA-AMS-QQ-N-290
- FEMALE PIN BODY PLATING: 10µ [0.254µ] Au per MIL-G-45204 over 100µ [2.54µ] Ni per SEA-AMS-QQ-N-290
- 4-FINGER COLLET CONTACT: BeCu per UNS C17200, ASTM B194-01
- CONTACT PLATING: 10µ [0.25µ] Au per MIL-G-45204 over 50µ [1.27µ] Ni per SEA-AMSQQ-N-290
- MINIMUM CONTACT CURRENT RATING: 1 amp at 5 VDC
- OPERATING TEMPERATURE: 221°F [105°C]
- INSERTION FORCE: 180g/pin; based on 0.018 [0.46] dia. test lead
- NORMAL FEMALE DEPTH: 0.015-0.025 [0.38-0.64] dia. leads, 0.100-0.125 [2.54-3.18] long

MOUNTING CONSIDERATIONS

- SUGGESTED PCB HOLES: 0.028 ±0.002 [0.71 ±0.05] dia.

ALL DIMENSIONS: INCHES [MILLIMETERS]
ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

### Centers "C" | Dim. "D" | Body Style | Available Sizes
---|---|---|---
0.300 [7.62] | 0.400 [10.16] | 2 | 2 thru 20
 | | 1 | 22 thru 40
0.600 [15.24] | 0.700 [17.78] | 2 | 2 thru 40
 | | 1 | 42 thru 48

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

ORDERING INFORMATION

Consult Factory – Aries will assign a special P/N

EASY-TO-USE WORKSHEET 18001