



Series 647 Universal SOIC-to-DIP 0.600 [15.24] Adapter

FEATURES

- 44-pin Adapter for Mounting Aries Series 547 Universal SOIC ZIF Test Socket to 0.600 [15.24] DIP PCB Layout

GENERAL SPECIFICATIONS

- **BODY MATERIAL:** black 0.062 [1.58] thick FR-4 –OR– IS410 per IPC A4101A/26, 0.094 [2.39] thick, with 1-oz. min. Cu traces
- **FEMALE PIN BODY:** Brass 360 1/2-hard per UNS C36000 ASTM-B16-00
- **FEMALE PIN BODY PLATING:** 200µ [5.08µ] min. Sn per ASTM B545 Type 1 over 100µ [2.54µ] min. Ni per SAE AMS-QQ-N-290
- **4-FINGER COLLET CONTACT:** BeCu per UNS C17200 ASTM-B194-01
- **COLLET CONTACT PLATING:** 10µ [0.254µ] min. Au per MIL-G-45204 over 50µ [1.27µ] min. Ni per SAE AMS-QQ-N-290
- **MALE PIN:** Phosphor Bronze 544 UNS C5400 ASTM B139-90
- **MALE PIN PLATING:** 200µ [5.08µ] min. Sn per ASTM B545 Type 1 over 100µ [2.54µ] min. Ni per SAE AMS-QQ-N-290
- **COLLET CONTACT CURRENT RATING:** 3 amps
- **OPERATING TEMPERATURE:** 221°F [105°C]
- **INSERTION FORCE:** 180g/pin, based on a 0.018 [0.46] dia. test lead
- **WITHDRAWAL FORCE:** 90g/pin, based on a 0.018 [0.46] dia. test lead
- **NORMAL FORCE:** 140g/pin, based on a 0.018 [0.46] dia. test lead

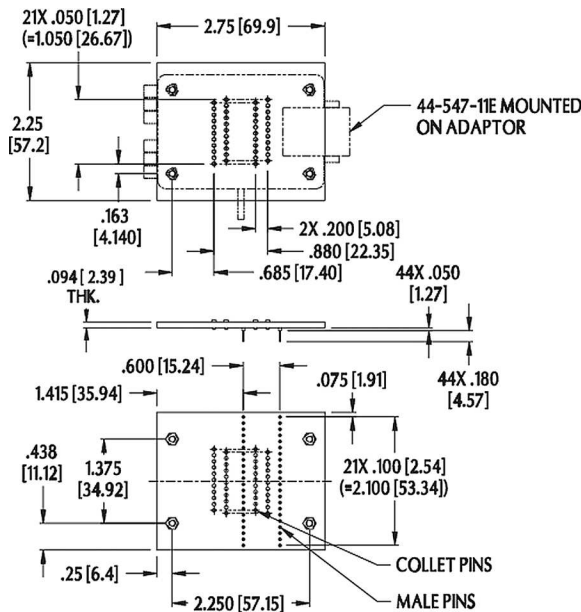


ORDERING INFORMATION

Specify **44-647-10**

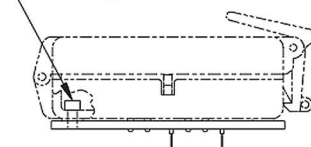
MOUNTING CONSIDERATIONS

- **SUGGESTED PCB HOLE SIZE:** 0.028 ±0.002 [0.71 ±0.05] dia.

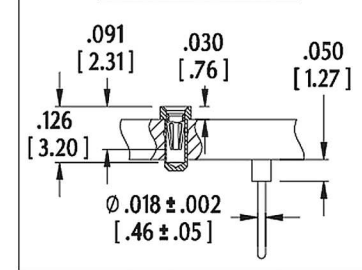


MOUNTING CONSIDERATIONS

4X SOCKET HD CAP SCR #4-40



CONTACT DETAIL



ALL DIMENSIONS: INCHES [MILLIMETERS]
 ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
 FOR TEST SOCKETS, SEE DATA SHEET 10015
 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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