



Series 354000 RoHS/WEEE-Compliant DIP-to-SOIC Adapter

FEATURES

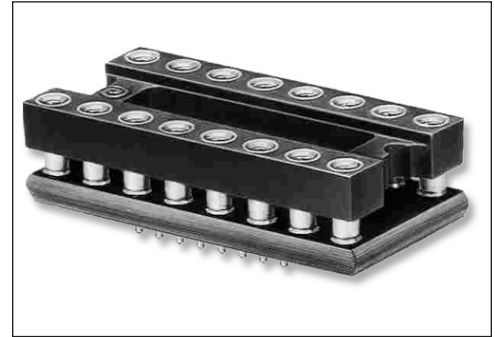
- Convenient, cost-effective means of converting DIP-to-SOIC PC board layouts

GENERAL SPECIFICATIONS

- SOCKET BODY: black, UL 94V-0 glass-filled 4/6 Nylon 170°C continuous use temperature
- PCB: 0.062 [1.58] thick FR-4 or IS410 per IPC4101A/26 with 1-oz. Cu traces, both sides finished with ENIG (Immersion Au over Electroless Ni)
- MALE ADAPTOR PIN: Brass 360 1/2-hard per UNS C36000 ASTM-B16-00
- MALE PIN PLATING: 10μ [0.254μ] min. Au per MIL-G-45204 over 100μ [2.54μ] min. Ni per SAE-AMS-QQ-N-290
- FEMALE CONTACT PIN: Brass 360 1/2-hard per UNS C36000 ASTM-B16-00
- FEMALE PIN PLATING: 10μ [0.254μ] min. Au per MIL-G-45204 over 100μ [2.54μ] min. Ni per SAE-AMS-QQ-N-290
- 4-FINGER COLLET CONTACT: BeCu per UNS C17200 ASTM B194-01
- FEMALE CONTACT PLATING: 10μ [0.254μ] min. Au per MIL-G-45204 over 50μ [1.27μ] min. Ni per SAE-AMS-QQ-N-290
- 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
- SOCKET ACCEPTS: leads 0.015-0.025 [0.38-0.64] in dia., 0.0100-0.125 [2.54-3.18] long

MOUNTING CONSIDERATIONS

- SUGGESTED PCB SOLDER PAD SIZE: 0.028 [0.71] min. width



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

XX-354000-X1-RC

Pins —
8, 14, 16, 20, 24, 28
Series

Plating
Au Pin RoHS-compliant
Adapter Pin Options
(see P/N Suffix Table)
1 = Short Adaptor Pin
2 = Long Adaptor Pin

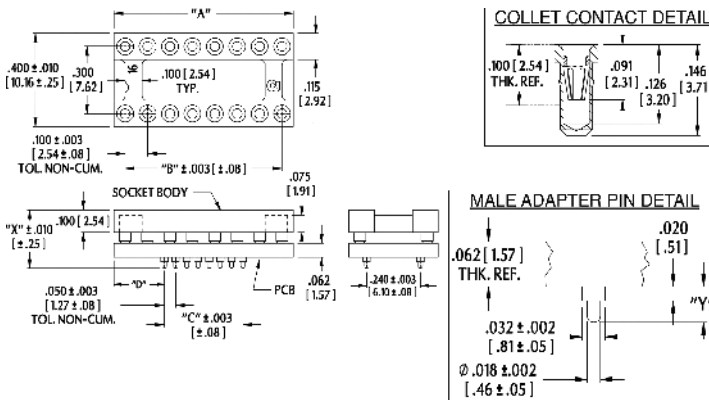
ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

"A" = NO. OF PINS PER ROW x 0.100 [2.54]

"B" = (NO. OF PINS PER ROW - 1) x 0.100 [2.54]

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS



| P/N Suffix | Dim. "X" | Dim. "Y" |
|------------|--------------|--------------|
| -11 | 0.265 [6.73] | 0.050 [1.27] |
| -21 | 0.325 [8.26] | 0.110 [2.79] |

| Pins | Dim. "A" | Dim. "B" | Dim. "C" | Dim. "D" |
|------|---------------|---------------|---------------|--------------|
| 8 | 0.400 [10.16] | 0.400 [10.16] | 0.100 [2.54] | 0.125 [3.18] |
| 14 | 0.700 [17.78] | 0.600 [15.24] | 0.300 [7.62] | 0.225 [5.72] |
| 16 | 0.800 [20.32] | 0.700 [17.78] | 0.350 [8.89] | 0.225 [5.72] |
| 20 | 1.000 [25.40] | 0.900 [22.86] | 0.450 [11.43] | 0.275 [6.99] |
| 24 | 1.200 [30.48] | 1.100 [27.94] | 0.550 [13.97] | 0.325 [8.26] |
| 28 | 1.400 [35.56] | 1.300 [33.02] | 0.650 [16.51] | 0.375 [9.53] |



Bristol, PA 19007-6810 USA
 TEL (215) 781-9956 • FAX (215) 781-9845
 WWW.ARIESELEC.COM • INFO@ARIESELEC.COM



18009RC
Rev. AA