



Series 354000 DIP to SOIC Adapters RoHS/ WEEE Compliant

FEATURES:

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

SPECIFICATIONS:

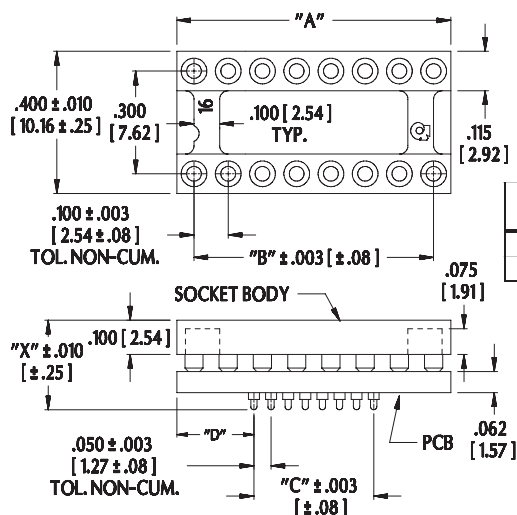
- Socket body is black, UL 94V-0 Glass-filled 4/6 Nylon 170°C continuous use temp.
- PCB is .062 thick FR406 OR IS410 per IPC4101A/26 with 1 oz. Copper traces, both sides finished with ENIG (Immersion Gold over Electroless Nickel).
- Male adapter pin is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-00.
- Male pin plating is 10u" Min Gold Per MIL-G-45204 Over 100u" Min Nickel per SAE-AMS-QQ-N-290.
- Female contact pin is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-00.
- Female pin plating is 10μ [.254μm] min. Gold per MIL-G-45204 over 100μ [2.54μm] min. Nickel per SAE-AMS-QQ-N-290.
- 4-fingered collet contact is Beryllium Copper Alloy per UNS C17200 ASTM-B194-01.
- Female contact plating is 10μ [.254μm] min. Gold per MIL-G-45204 over 50μ [1.27μm] min. Nickel per SAE-AMS-QQ-N-290.
- Contact current rating=3 Amps.
- Operating temperature=221°F [105°C].
- Insertion Force=180 grams/pin; Withdrawal Force=90 grams/pin; Normal Force=140 grams/pin; based on a .018 [.46] diameter test lead.
- Socket accepts leads .015-.025 [.38-.64] in diameter, .100-.125 [2.54-3.18] long.

MOUNTING CONSIDERATIONS:

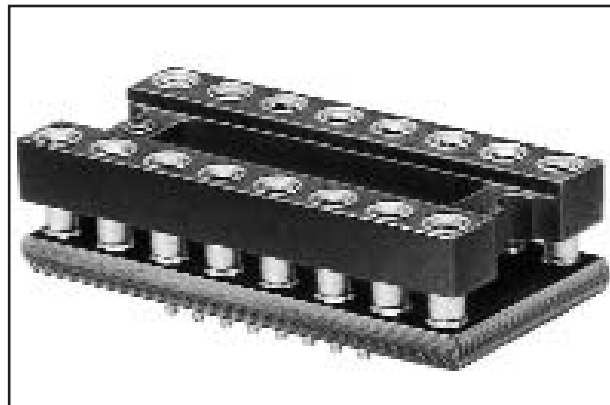
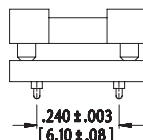
- Suggested PCB solder pad size=.028 [.71] min. width.

ALL DIMENSIONS: INCHES [MILLIMETERS]

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



Part No. Suffix	Dim. "X"	Dim. "Y"
-10	.265 [6.73]	.050 [1.27]
-20	.325 [8.26]	.110 [2.79]



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-354000-X1-RC

No. of pins:
8, 14, 16, 20, 24, 28

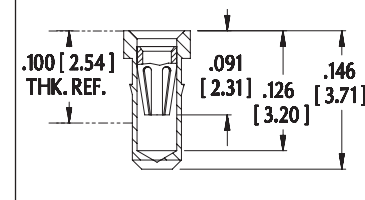
Series

Gold plated Pin
RoHS Compliant

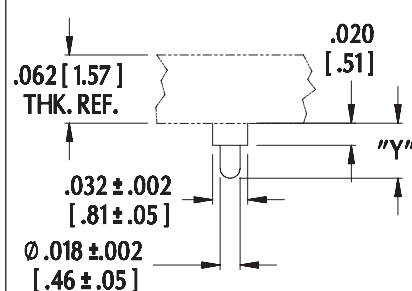
Adapter pin option
(see suffix table)
1=Short adapter pin
2=Long adapter pin

No. of Pins	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"
8	.400 [10.16]	.400 [10.16]	.100 [2.54]	.125 [3.175]
14	.700 [17.78]	.600 [15.24]	.300 [7.62]	.225 [5.72]
16	.800 [20.32]	.700 [17.78]	.350 [8.89]	.225 [5.72]
20	1.000 [25.40]	.900 [22.86]	.450 [11.43]	.275 [6.99]
24	1.200 [30.48]	1.100 [27.94]	.550 [13.97]	.325 [8.26]
28	1.400 [35.56]	1.300 [33.02]	.650 [16.51]	.375 [9.53]

COLLET CONTACT DETAIL



MALE ADAPTER PIN DETAIL



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18009RC
REV.B