



# Series 354000 DIP to SOIC Adapters

## FEATURES:

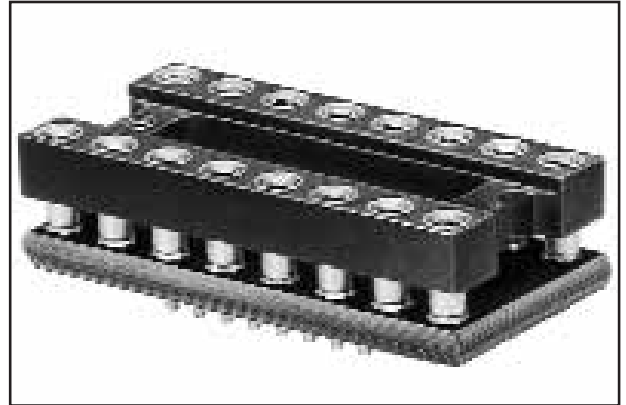
- Convenient, cost-effective means of converting DIP style packaging to SOIC PC board layouts.

## SPECIFICATIONS:

- Socket body is black, UL 94V-0 Glass-filled 4/6 Nylon 170°C continuous use temp.
- PCB is FR-4, .062 [1.58] thick.
- Male adapter pin is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-85.
- Male pin plating is 200µ [5.08µm] min. Tin per MIL-T-10727 Type 1 or Tin/Lead 90/10 MIL-P-81728 over 100µ [2.54µm] Nickel per QQ-N-290.
- Female contact pin is Brass Alloy 360 1/2 hard per UNS C36000 ASTM-B16-85.
- Female pin plating is 10µ [.254µm] min. Gold per MIL-G-45204 over 100µ [2.54µm] min. Nickel per QQ-N-290.
- 4-fingered collet contact is Beryllium Copper Alloy per UNS C17200 ASTM-B194-92.
- Female contact plating is 10µ [.254µm] min. Gold per MIL-G-45204 over 50µ [1.27µm] min. Nickel per 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.



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.

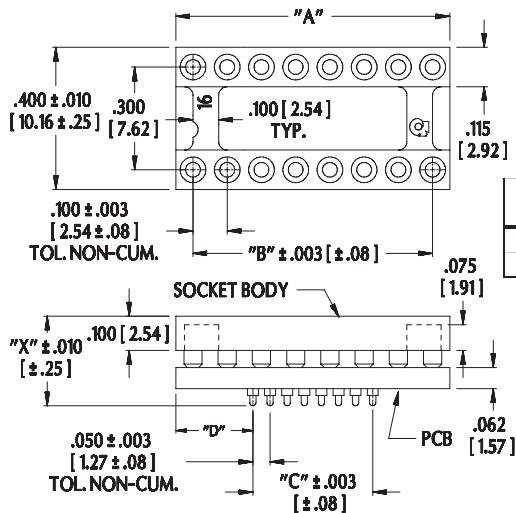
## ORDERING INFORMATION

**XX-354000-X0**

No. of pins: 8, 14, 16, 20, 24, 28  
 Series  
 Tin/Lead plating  
 Adapter pin option (see suffix table)  
 1=Short adapter pin  
 2=Long adapter pin

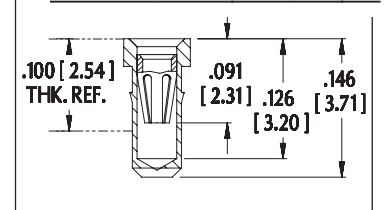
## ALL DIMENSIONS: INCHES [MILLIMETERS]

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

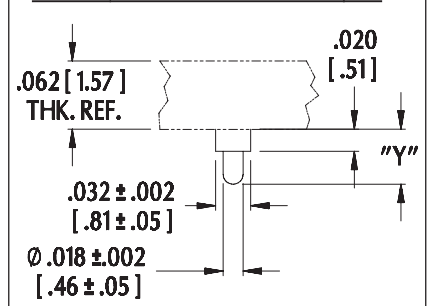


Part No. Suffix	Dim. "X"	Dim. "Y"
-10	.265 [6.731]	.050 [1.271]
-20	.325 [8.261]	.110 [2.791]

## COLLET CONTACT DETAIL



## MALE ADAPTER PIN DETAIL



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