



# Series 350000 SOIC and SOJ-to-DIP Adapter

## FEATURES

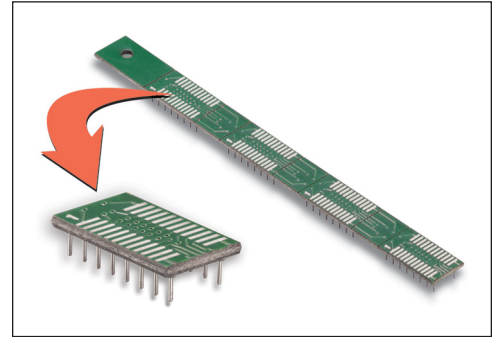
- A cost-effective means of upgrading to SOJ or SOIC without changing your PCB layout
- Available on 0.300 [7.62] centers. Consult **Data Sheet 18011** for adapters on 0.400 [10.16] or 0.600 [15.24] centers

## GENERAL SPECIFICATIONS

- BOARD MATERIAL: 0.062 [1.58] thick FR-4, UL94V-0, with 1-oz. Cu traces, both sides
- PINS: Brass 360 1/2-hard per UNS C36000 ASTM-B16-00
- PIN PLATING: 200 $\mu$  [5.08 $\mu$ ] min. Sn per ASTM B 545 Type-1 or Sn/Pb 93/7 per ASTM B 545 over 100 $\mu$  [2.54 $\mu$ ] Ni per SAE-AMS-QQ-N-290
- OPERATING TEMPERATURE: 221°F [105°C]

## MOUNTING CONSIDERATIONS

- SUGGESTED PCB HOLE SIZE: 0.028  $\pm$  0.003 [0.71  $\pm$  0.08] dia.



**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.

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES:  $\pm$ 0.005 [0.13] UNLESS OTHERWISE SPECIFIED

"A" = NO. OF PINS PER ROW  $\times$  0.100 [2.54]

"D" = (NO. OF PINS PER ROW - 1)  $\times$  0.100 [2.54]

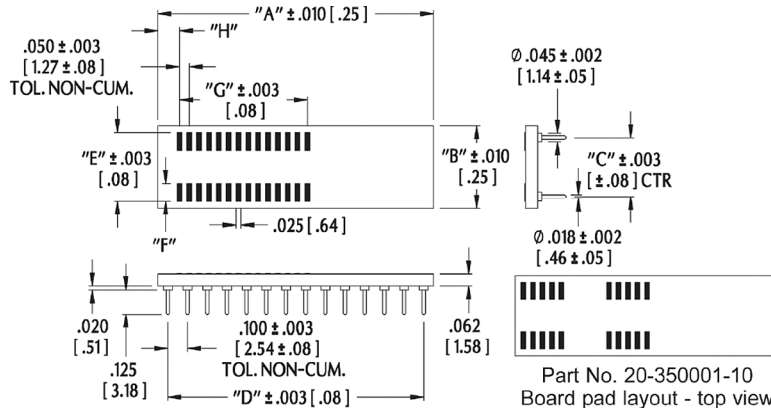
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

## ORDERING INFORMATION

**XX-35000X-1X-P**

Pins  
(see Table)  
Series

Optional Panelized Form  
Pin Plating  
0 = Sn/Pb  
1 = Au/Ni



Part No. 20-350001-10  
Board pad layout - top view

| P/N          | Pins | Type | Dim. "B"      | Centers "C"  | Dim. "E"      | Dim. "F"     | Dim. "G"      | Dim. "H"     |
|--------------|------|------|---------------|--------------|---------------|--------------|---------------|--------------|
| 08-350000-1X | 8    | SOIC | 0.460 [11.68] | 0.300 [7.62] | 0.455 [11.56] | 0.155 [3.94] | 0.150 [3.81]  | 0.121 [3.07] |
| 14-350003-1X | 14   | SOIC | 0.380 [9.65]  | 0.300 [7.62] | 0.322 [8.18]  | 0.080 [2.03] | 0.300 [7.62]  | 0.200 [5.08] |
| 14-350000-1X | 14   | SOIC | 0.450 [11.43] | 0.300 [7.62] | 0.420 [10.67] | 0.138 [3.51] | 0.500 [12.70] | 0.180 [4.57] |
| 16-350000-1X | 16   | SOIC | 0.450 [11.43] | 0.300 [7.62] | 0.420 [10.67] | 0.138 [3.51] | 0.550 [13.97] | 0.180 [4.57] |
| 18-350000-1X | 18   | SOIC | 0.450 [11.43] | 0.300 [7.62] | 0.420 [10.67] | 0.138 [3.51] | 0.550 [13.97] | 0.180 [4.57] |
| 20-350000-1X | 20   | SOIC | 0.450 [11.43] | 0.300 [7.62] | 0.420 [10.67] | 0.138 [3.51] | 0.550 [13.97] | 0.180 [4.57] |
| 24-350000-1X | 24   | SOIC | 0.450 [11.43] | 0.300 [7.62] | 0.420 [10.67] | 0.138 [3.51] | 0.550 [13.97] | 0.180 [4.57] |
| 20-350001-1X | 20   | SOJ  | 0.420 [10.67] | 0.300 [7.62] | 0.350 [8.89]  | 0.090 [2.29] | 0.550 [13.97] | 0.060 [1.52] |
| 28-350002-1X | 28   | SOIC | 0.400 [10.16] | 0.300 [7.62] | 0.350 [8.89]  | 0.090 [2.29] | 0.650 [16.51] | 0.375 [9.53] |



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