



Series 350000 SOIC and SOJ-to-DIP Adapter

FEATURES

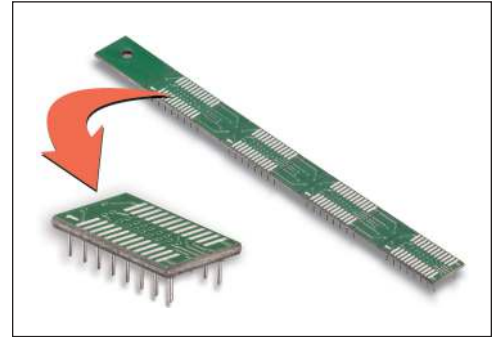
- A cost-effective means of upgrading to SOJ or SOIC without changing your PCB layout
- Available on 0.300 [7.62] centers. Consult [Data Sheet 18011](#) for adaptors on 0.400 [10.16] or 0.600 [15.24] centers

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 μ [5.08 μ] min. Sn per ASTM B 545 Type-1 or Sn/Pb 93/7 per ASTM B 545 over 100 μ [2.54 μ] 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.

ORDERING INFORMATION

XX-35000X-1X-P

Pins (see Table)
Series
Optional Panelized Form
Pin Plating
0 = Sn/Pb
1 = Au/Ni

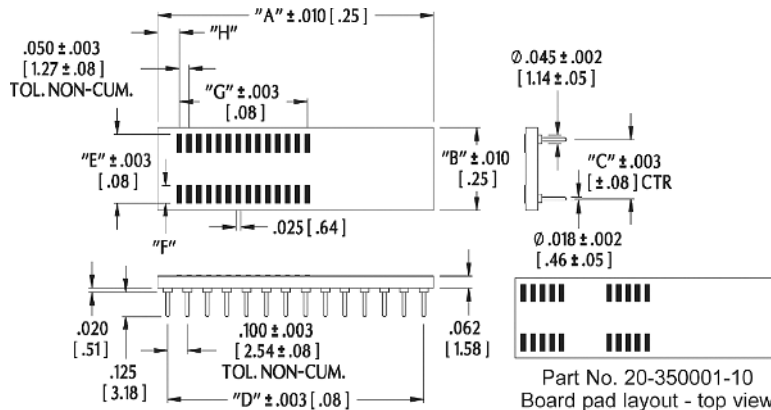
ALL DIMENSIONS: INCHES [MILLIMETERS]

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



| 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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