Series 450001 and 650000
SOIC and SOJ-to-DIP Adapter

FEATURES
- A cost-effective means of upgrading to SOJ or SOIC without changing your PCB layout.
- Available on 0.400 [10.16] and 0.600 [15.24] centers. Consult Data Sheet 18010 for Adapters on 0.300 [7.62] centers.

GENERAL SPECIFICATIONS
- BOARD MATERIAL: 0.062 [1.58] thick FR-4 or IS410 per IPC 4101A/26 with 1-oz. Cu traces, both sides
- PADS: finished with HASL
- PINS: Brass 360 1/2-hard per UNS C36000, ASTM B16/B16M
- PLATING: Sn/Pb
- OPERATING TEMPERATURE: 221°F [105°C]

MOUNTING CONSIDERATIONS
- SUGGESTED PCB HOLE SIZE: 0.028 ±0.002 [0.71 ±0.05] 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
(See Table below)

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<tbody>
<tr>
<td>28-450001-10</td>
<td>28</td>
<td>SOJ</td>
<td>0.480 [12.19]</td>
<td>0.400 [10.16]</td>
<td>0.460 [11.68]</td>
<td>0.080 [2.03]</td>
<td>0.650 [16.51]</td>
<td>0.325 [8.26]</td>
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<tr>
<td>32-450001-10</td>
<td>32</td>
<td>SOJ</td>
<td>0.530 [13.46]</td>
<td>0.400 [10.16]</td>
<td>0.500 [12.70]</td>
<td>0.090 [2.29]</td>
<td>0.750 [19.05]</td>
<td>0.425 [10.80]</td>
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<td>32-650000-10</td>
<td>32</td>
<td>SOJ</td>
<td>0.700 [17.78]</td>
<td>0.600 [15.24]</td>
<td>0.650 [16.51]</td>
<td>0.200 [5.08]</td>
<td>0.750 [19.05]</td>
<td>0.425 [10.80]</td>
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<tr>
<td>24-650000-10</td>
<td>24</td>
<td>SOIC</td>
<td>0.700 [17.78]</td>
<td>0.600 [15.24]</td>
<td>0.455 [11.56]</td>
<td>0.150 [3.81]</td>
<td>0.550 [13.97]</td>
<td>0.180 [4.57]</td>
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<tr>
<td>28-650000-10</td>
<td>28</td>
<td>SOIC</td>
<td>0.700 [17.78]</td>
<td>0.600 [15.24]</td>
<td>0.450 [11.43]</td>
<td>0.075 [1.91]</td>
<td>0.650 [16.51]</td>
<td>0.375 [9.53]</td>
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ALL DIMENSIONS: INCHES [MILLIMETERS]
ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
“A” = NO. OF PINS PER ROW X 0.100 [2.54]
“D” = (NO. OF PINS PER ROW - 1) X 0.100 [2.54]
AVAILABLE IN PANELIZED FORM WITH OR WITHOUT CUSTOMER-SUPPLIED DEVICES MOUNTED. CONSULT FACTORY.
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS