Series 652000 and 653000 RoHs/WEcEE-Compliant
PLCC-to-DIP Adapter

FEATURES
- Converts PLCC packaged ICs-to-DIP footprints.
- Ideal for prototyping and testing/evaluation.
- Available with PLCC Sockets or PLCC Pads on top side.
- Consult factory for Panelized Form or for mounting of consigned ICs.

GENERAL SPECIFICATIONS
- ADAPTER BODY: 0.062 [1.58] FR-4 or IS410 per IPC 4101A/26 with 1-oz. Cu traces, both sides finished with ENIG (Immersion Au over Electroless Ni)
- PINS: Brass 360 1/2-hard per UNS C36000, ASTM B16/B16M
- PIN PLATING: 10µ [0.254µ] min. Au per MIL-G-45204 over 100µ [2.54µ] Ni per SAE AMS-QQ-N-290
- OPTIONAL PLCC SURFACE MOUNT SOCKETS: UL 94V-0 PPS
- SOCKET CONTACTS: Phophros Bronze, Pb-plated (RoHS-compliant)
- CURRENT RATING: 1 amp
- OPERATING TEMPERATURE: 221°F [105°C]

MOUNTING CONSIDERATIONS
- SUGGESTED PCB HOLE SIZE: 0.028 ±0.003 [0.71 ±0.08] dia.
- Will plug into standard IC socket
- See Table for Pad Layout when mounting PLCC socket

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

<table>
<thead>
<tr>
<th>No. of Pins</th>
<th>XX-65X000-11-RC</th>
</tr>
</thead>
<tbody>
<tr>
<td>28, 32, 44, 68, 84</td>
<td>Au Solder Pin Tail RoHS-compliant</td>
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</tbody>
</table>

Series 652000: without socket
653000: with socket

ALL DIMENSIONS: INCHES [MILLIMETERS]
ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

<table>
<thead>
<tr>
<th>Pins</th>
<th>Dim. “A”</th>
<th>Dim. “B”</th>
<th>Dim. “C”</th>
<th>Dim. “D”</th>
<th>Dim. “W” ±0.003 [0.08] non-cumulative</th>
<th>Dim. “X” ±0.003 [0.08] non-cumulative</th>
<th>Dim. “Y” ±0.003 [0.08]</th>
<th>Dim. “Z” ±0.003 [0.08]</th>
<th>Pad Size</th>
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<tbody>
<tr>
<td>28</td>
<td>1.400 [35.56]</td>
<td>1.300 [33.02]</td>
<td>0.705 [17.91]</td>
<td>0.703 [17.86]</td>
<td>0.300 [7.62]</td>
<td>0.300 [7.62]</td>
<td>0.449 [11.41]</td>
<td>0.449 [11.41]</td>
<td>0.024 x 0.076 [0.61 x 1.93]</td>
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<tr>
<td>32</td>
<td>1.600 [40.64]</td>
<td>1.500 [38.10]</td>
<td>0.705 [17.91]</td>
<td>0.805 [20.45]</td>
<td>0.400 [10.16]</td>
<td>0.300 [7.62]</td>
<td>0.549 [13.95]</td>
<td>0.448 [11.39]</td>
<td>0.024 x 0.076 [0.61 x 1.93]</td>
</tr>
<tr>
<td>44</td>
<td>2.200 [55.88]</td>
<td>2.100 [53.34]</td>
<td>0.910 [23.11]</td>
<td>0.910 [23.11]</td>
<td>0.500 [12.70]</td>
<td>0.500 [12.70]</td>
<td>0.670 [17.02]</td>
<td>0.670 [17.02]</td>
<td>0.026 x 0.076 [0.66 x 1.93]</td>
</tr>
<tr>
<td>68</td>
<td>3.400 [86.36]</td>
<td>3.300 [83.82]</td>
<td>1.220 [30.99]</td>
<td>1.220 [30.99]</td>
<td>0.800 [20.32]</td>
<td>0.800 [20.32]</td>
<td>0.945 [24.00]</td>
<td>0.945 [24.00]</td>
<td>0.026 x 0.076 [0.66 x 1.93]</td>
</tr>
</tbody>
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