TIDA-010024

TEXAS INSTRUMENTS

SILKBOT

DATE: 2018-01-04
**Panel Drawing**

**Design Cross Section Chart**

Total Thickness 1.6 mm

- **L1**: Top Conductor - Copper + Plating 0.035 mm
- **L2**: L2 Plane - Copper 0.035 mm
- **L3**: L3 Plane - Copper 0.035 mm
- **L4**: Bottom Conductor - Copper + Plating 0.035 mm

**Drill Chart: Top to Bottom**

<table>
<thead>
<tr>
<th>Figure</th>
<th>Finished Size</th>
<th>Rotation</th>
<th>Plated</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.2</td>
<td>-</td>
<td>Plated</td>
<td>1076</td>
</tr>
<tr>
<td></td>
<td>0.201</td>
<td>-</td>
<td>Plated</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>0.6</td>
<td>-</td>
<td>Plated</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>1.05</td>
<td>-</td>
<td>Plated</td>
<td>75</td>
</tr>
<tr>
<td></td>
<td>1.1</td>
<td>-</td>
<td>Plated</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>3.2</td>
<td>-</td>
<td>Plated</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>0.899</td>
<td>-</td>
<td>Non-Plated</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>1.0</td>
<td>-</td>
<td>Non-Plated</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3.2</td>
<td>-</td>
<td>Non-Plated</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>1.3x0.6</td>
<td>90.000</td>
<td>Plated</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Holes: 1209

**Fabrication Drawing**

- **Rev. A**: Production Release Version
- **Rev. E1**: Initial Version

**Materials and Processes**

- **L1**: Top Conductor - Copper + Plating 0.035 mm
- **L2**: L2 Plane - Copper 0.035 mm
- **L3**: L3 Plane - Copper 0.035 mm
- **L4**: Bottom Conductor - Copper + Plating 0.035 mm

**Dimensions and Tolerances**

- L1: Top Conductor - Copper + Plating 0.035 mm
- L2: L2 Plane - Copper 0.035 mm
- L3: L3 Plane - Copper 0.035 mm
- L4: Bottom Conductor - Copper + Plating 0.035 mm

**Process Notes**

1. Apply Electroless Nickel Immersion Gold to all exposed areas. Use the recommended process for each application.
2. Plate all exposed areas with Electroless Nickel Immersion Gold. Use the recommended process for each application.
3. All dimensions are in millimeters, unless otherwise noted.
4. All units are in millimeters.

**Fabrication Notes**

- Board material shall be 180 Tg/340 Td Isola Class 2 and workmanship shall conform to IPC-6012. Current revision applies.
- The PWB shall be fabricated to IPC-6012, Class 2. Current revision applies.
- All dimensions are in millimeters, unless otherwise noted.
- All units are in millimeters.
IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES “AS IS” AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI’s products are provided subject to TI’s Terms of Sale (www.ti.com/legal/termsofsale.html) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI’s provision of these resources does not expand or otherwise alter TI’s applicable warranties or warranty disclaimers for TI products.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2018, Texas Instruments Incorporated