SCX3300 PCB SPECIFICATION

SCA3300 Accelerometers
SCL3300 Inclinometers
SCx3300 Chip Carrier PCB

The purpose of the SCx3300 Chip Carrier PCB is to enable fast prototyping.

SCx3300 Chip Carrier PCB includes:
- SCx3300 sensor soldered on PCB
- PCB design # 01059 with pin headers and passive components

Please refer to SCx3300 datasheet when using the Chip Carrier PCB.

![SCx3300 PCB pinout and external connections.](image)

Figure 1. SCx3300 PCB pinout and external connections.

Table 1. BOM of the SCx3300 PCB.

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Ref</th>
<th>Part Name / type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>C1-4</td>
<td>Capacitor 0603</td>
<td>100 nF</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>C5-6</td>
<td>Capacitor 0603</td>
<td>10 µF</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>U1</td>
<td>SCx3300 Accelerometer</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>J1</td>
<td>8-pin through hole pin header, pitch 100 mils, pin size 0.63x0.63mm, length ~5.85mm (example mating part: Samtec: SSO-108-01-S-S)</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>J2</td>
<td>7-pin through hole pin header, pitch 100 mils, pin size 0.63x0.63mm, length ~5.85mm (example mating part: Samtec: SSO-107-01-S-S)</td>
<td></td>
</tr>
</tbody>
</table>
Detailed pictures of the SCx3300 PCB are presented on following pages:

- PCB layout
- Assembly drawings
- Circuit diagram

PCB mechanical dimensions:

- Width 42.9 mm
- Height 27.4 mm
- Height 15.1 mm (incl. components and pin headers)

Figure 2. TOP (left) and BOTTOM (right) layout of SCx3300 PCB (aspect ratio not 1:1).

Figure 3. TOP (left) and BOTTOM (right) view assembly drawings for SCx3300 PCB (aspect ratio not 1:1).
Figure 4. SCx3300 PCB circuit diagram.