SCA8X0/21X0/3100 PWB
Specification
1 Introduction

The purpose of SCA8X0/21X0/3100 PWB is to enable fast prototyping.

SCA8X0/21X0/3100 PWB includes
- SCA3100, SCA21X0 or SCA8X0 sensor soldered on PWB
- PWB version A: design # VTI29495A0 with pin headers
- Connectors and passive components

Refer to "SCA8x0_21x0_3100_product_family_specification_82_694_00C" when using the SCA8X0/21X0/3100 PWB.

2 SCA8X0/21X0/3100 PWB

Detailed BOM of SCA8X0/21X0/3100 PWB version A is presented in Table 1 below.

Table 1. BOM of SCA8X0/21X0/3100 PWB version A.

<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>2</td>
<td>C1,C3</td>
<td>Capacitor / 0603</td>
<td>100 nF</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>J1</td>
<td>8-pin through hole pin header, pitch 100 mils</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>J2</td>
<td>7-pin through hole pin header, pitch 100 mils</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>SCA8X0/21X0/3100</td>
<td>SCA8X0, SCA21X0 or SCA3100 sensor</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td></td>
<td>PWB (VTI29495A0) / FR4, thickness 1.6 mm, size 20.0 × 23.0 mm</td>
<td></td>
</tr>
</tbody>
</table>

Detailed pictures of SCA8X0/21X0/3100 PWB are presented in following pages:
- Circuit diagram
- PWB layout
- Assembly drawings
Figure 1. SCA8X0/21X0/3100 PWB Schematics.
Figure 2. SCA8X0/21X0/3100 PWB Top Layer Layout.

Figure 3. SCA8X0/21X0/3100 PWB Bottom View and Mechanical Dimensions.