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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



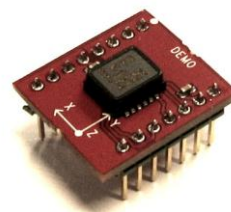
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**SCA8X0/21X0/3100 PWB**  
Specification

## 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 # VT129495A0 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.

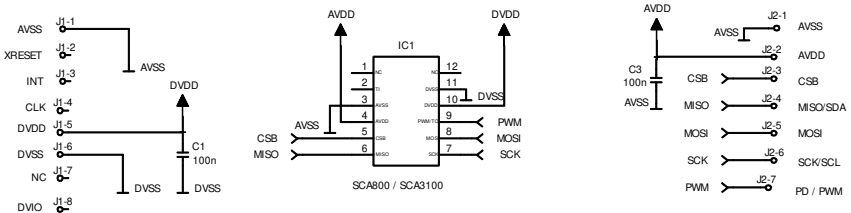
Table 1. BOM of SCA8X0/21X0/3100 PWB version A.

| Item | Qty | Ref              | Part Name / type  | Value  |
|------|-----|------------------|---|--------|
| 1    | 2   | C1,C3            | Capacitor / 0603  | 100 nF |
| 2    | 1   | J1               | 8-pin through hole pin header, pitch 100 mils                 |        |
| 3    | 1   | J2               | 7-pin through hole pin header, pitch 100 mils                 |        |
| 4    | 1   | SCA8X0/21X0/3100 | SCA8X0, SCA21X0 or SCA3100 sensor                             |        |
| 5    | 1   |                  | PWB (VT129495A0) / FR4, thickness 1,6 mm, size 20,0 × 23,0 mm |        |

Detailed pictures of SCA8X0/21X0/3100 PWB are presented in following pages:

- Circuit diagram
- PWB layout
- Assembly drawings

| Ltr | Qty | Change | Reason / ECO no | Design | Date Review | Date Appr |
|-----|-----|--------|-----------------|--------|-------------|-----------|
|     |     |        |                 |        |             |           |



|             |                |                                 |                 |            |       |       |                    |       |
|-------------|----------------|---------------------------------|-----------------|------------|-------|-------|--------------------|-------|
| Drawn       | 20.04.2006 STL | Arch id                         | Last save date  | 10.12.2012 | Sheet | 1 / 1 | Cooperators doc no |       |
| Review      |                |                                 |                 |            |       |       |                    |       |
| Appr        |                | SCA 800 / SCA 3100 Chip Carrier |                 |            |       |       |                    |       |
| Design      | 29495A0        | Scale                           | for demo.       |            |       |       | Dwg no             | 29495 |
| Replaces    |                | 1:1                             | CIRCUIT DIAGRAM |            |       |       | Rev                | A0    |
| Replaces by |                |                                 |                 |            |       |       |                    |       |

Figure 1. SCA8X0/21X0/3100 PWB Schematics.

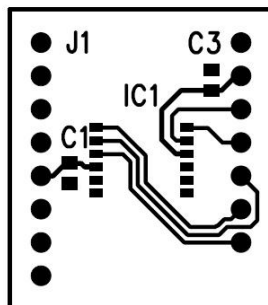


Figure 2. SCA8X0/21X0/3100 PWB Top Layer Layout.

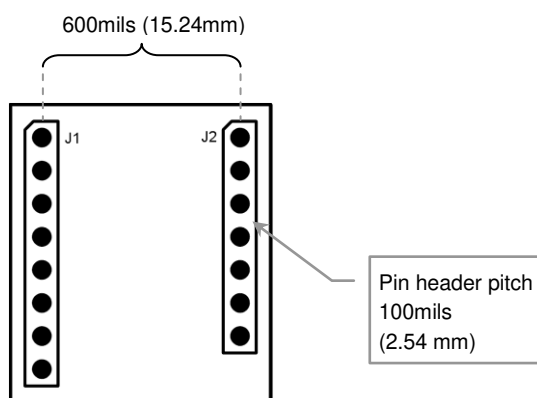


Figure 3. SCA8X0/21X0/3100 PWB Bottom View and Mechanical Dimensions.