



SCA3000 PWB Specification

1 Introduction

The purpose of SCA3000 PWB is to enable fast prototyping.

SCA3000 PWB includes

- SCA3000 sensor soldered on PWB
- PWB version B: design # VTI29394B0 with pin headers
- Connectors and passive components

Refer to "SCA3000_product_family_datasheet_8257300A" when using the SCA3000 PWB.

2 SCA3000 PWB

Detailed BOM of SCA3000 PWB version B is presented in Table 1 below.

Table 1. BOM of SCA3000 PWB version B.

Item	Qty	Ref	Part Name / type	Value
1	3	C1-3	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	SCA3000_SPI	SCA3000 sensor	
5	1		PWB (VTI29394B0) / FR4, thickness 1,6 mm, size 20,0 × 23,0 mm	

Detailed pictures of SCA3000 PWB are presented in following pages:

- Circuit diagram
- PWB layout
- Assembly drawings

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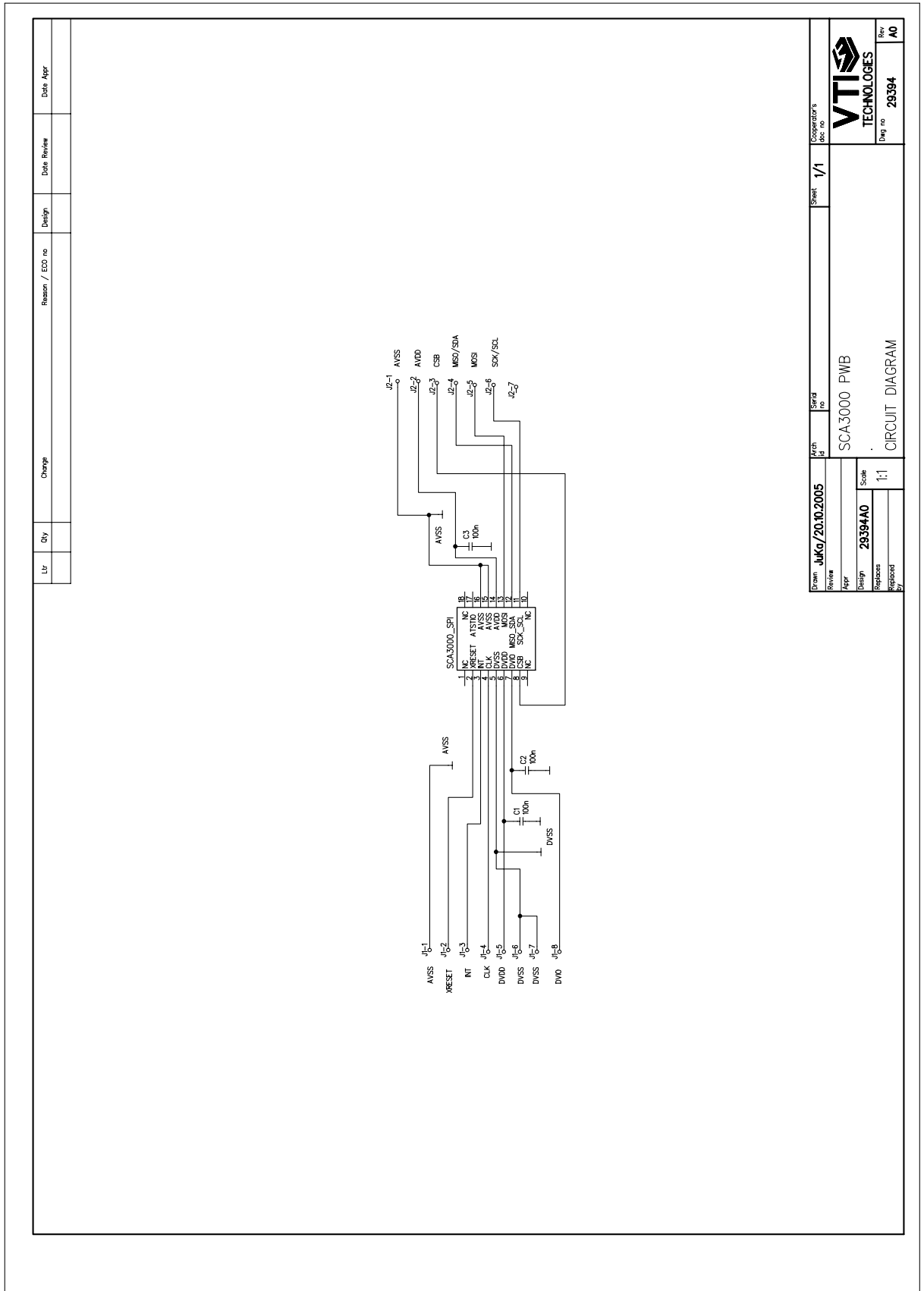


Figure 1 Circuit diagram of SCA3000 PWB version B.

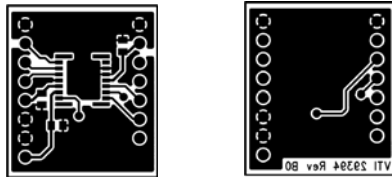


Figure 2 Layouts of SCA3000 PWB version B.

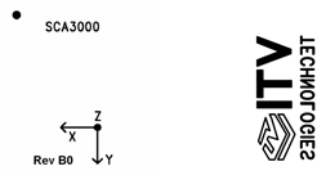


Figure 3 Silk screens of SCA3000 PWB version B.

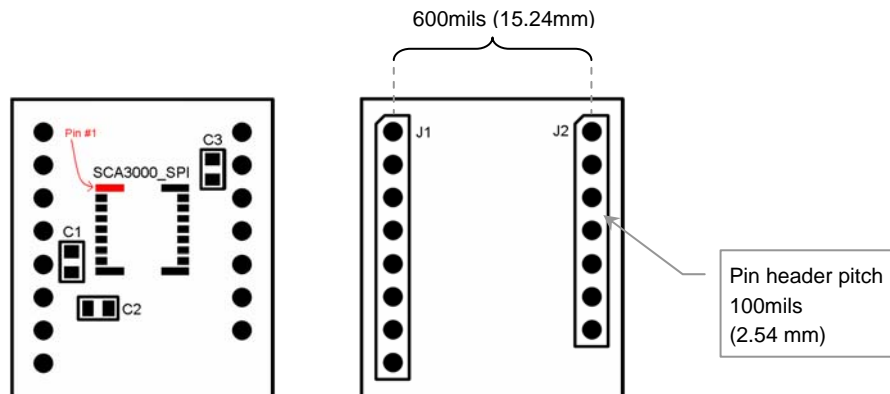


Figure 4 Assembly drawings for SCA3000 PWB version B.

3 Document Revision History

Version	Date	Change Description
A.02	12.12.2005	SCA3000 PWB version B
A.03	15.05.2006	Document template updated.
A.04	15.06.2006	PWB picture updated to cover page.
A.05	28.06.2006	Contact information updated.
A.06	01.11.2007	Pin header dimensions added, silkscreen updated.

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