

Adapter PCB for VTI Sensors and TI's Development Environment

Specification

1 Introduction

The adapter PCB enables fast prototyping with VTI's chip carrier PCBs and TI's development tools.

Supported VTI's products are:

- CMA3000 series chip carrier PCBs
- SCA3000 series chip carrier PCBs
- SCP1000 series chip carrier PCBs

Supported TI's development tools are:

- eZ430-RF2500
- eZ430-F2013

The adapter PCB supports only SPI hardware.

2 Adapter PCB

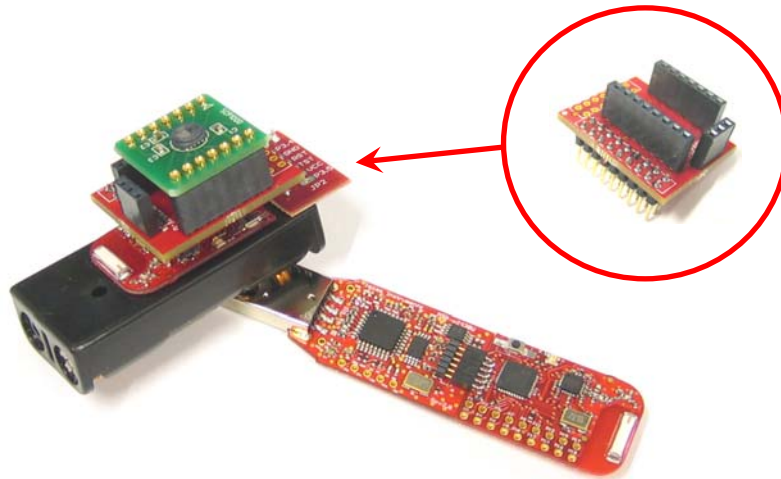


Figure 1. Adapter PCB used to stack the SCP1000 chip carrier to TI's eZ430-RF2500.

The adapter PCB delivery package contains the following items (Table 1 below). All items are unsoldered.

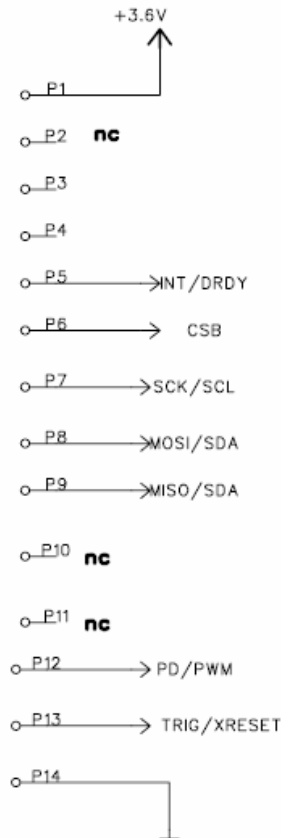
Table 1. BOM of the adapter PCB.

Item	Qty	Ref	Part Name / type	TI's dev. Tool
1	1	P1/P2	2x9-pin through hole pin header, pitch 100 mils	eZ430-RF2500/ eZ430-F2013
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	J3	3-pin through hole pin header, pitch 100 mils	

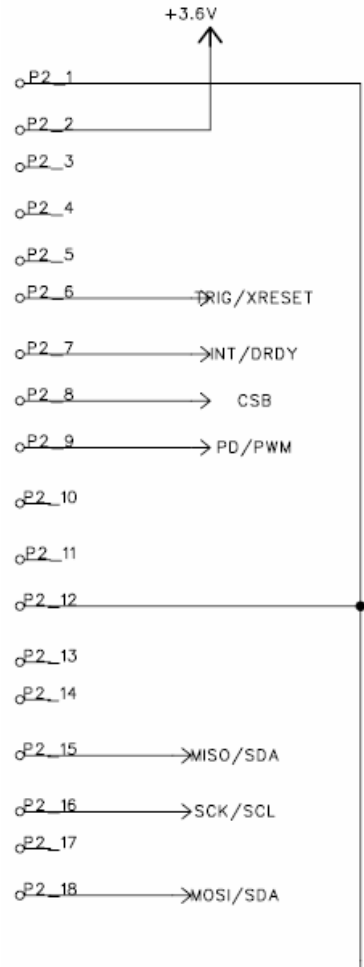
Detailed pictures of the adapter PCB are presented in following pages:

- Circuit diagram
- PWB layout
- Assembly drawings

Connector for eZ430-F2013



Connector for eZ430-F2500



Connector VTI's chip carrier PCBs

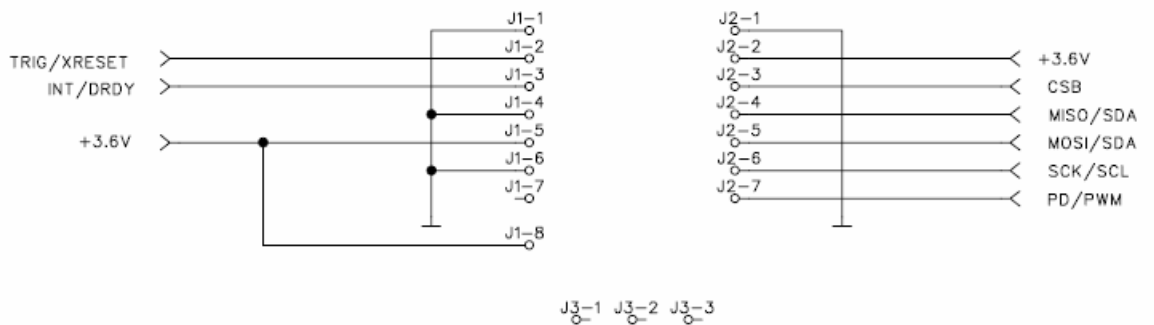


Figure 2. Adapter PCB circuit diagrams.

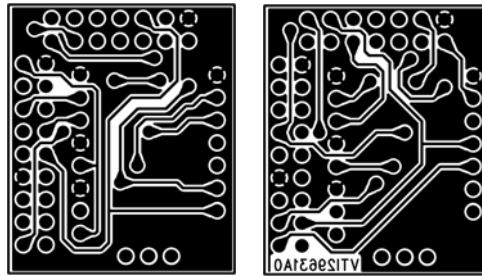


Figure 3. Adapter PCB layout.

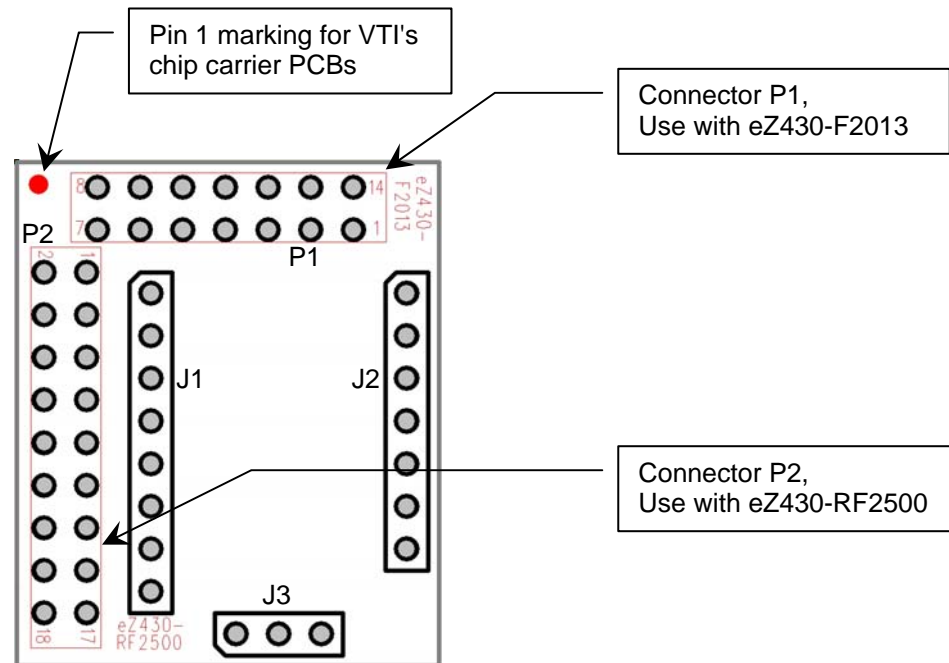


Figure 4. Connector placement on adapter PCB.

3 Availability

The adapter is available through Hy-Line's web shop.

4 Document Revision History

Version	Date	Change Description
A.01	26.05.2008	1 st release
A.02	04.06.2008	BOM and photos updated
A.03	03.09.2009	Swapped P1/P2, J1/J2 markings on Figure 4. Added CMA3000 to chapter 1.

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