

Hardware Documentation

SINTF-ADP-RTI2C

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**Elektronik
Systeme**

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History

Date	V	Platform	A,M,R	Chapter	Description	Au
14.08.15	1.0	All	A	-	Build the document	MW
17.08.15	1.0	All	M	*	Changed to new corporate design	JG

V Version

A,M,R Added, Modified, Removed

Au Author

About this document

This document describes how to use the SINTF-ADP-RTI2C with mechanical and electrical information. The latest version of this document can be found at:
<http://www.fs-net.de>.

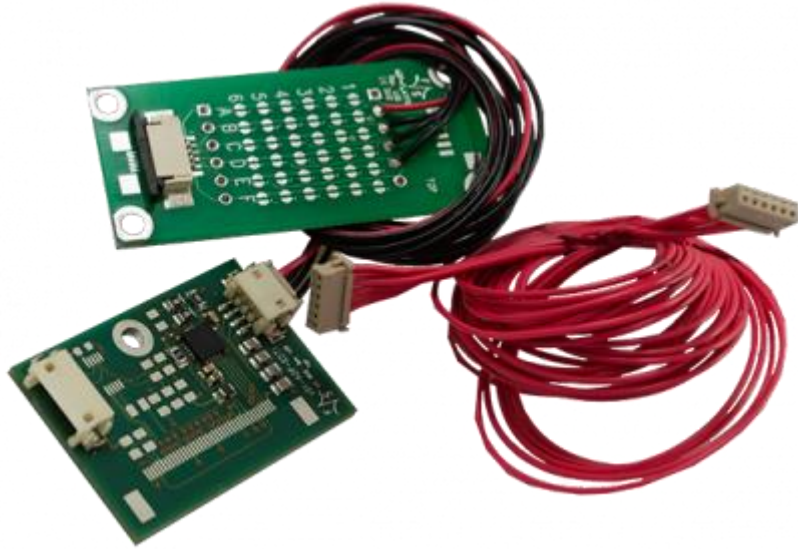
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1 Introduction

The SINTF-ADP-RTI2C makes it possible to connect a Resistive Touch to a F&S-Board. On the adapter there is a Resistive-I2C-Touchcontroller.



2 Mechanical dimension

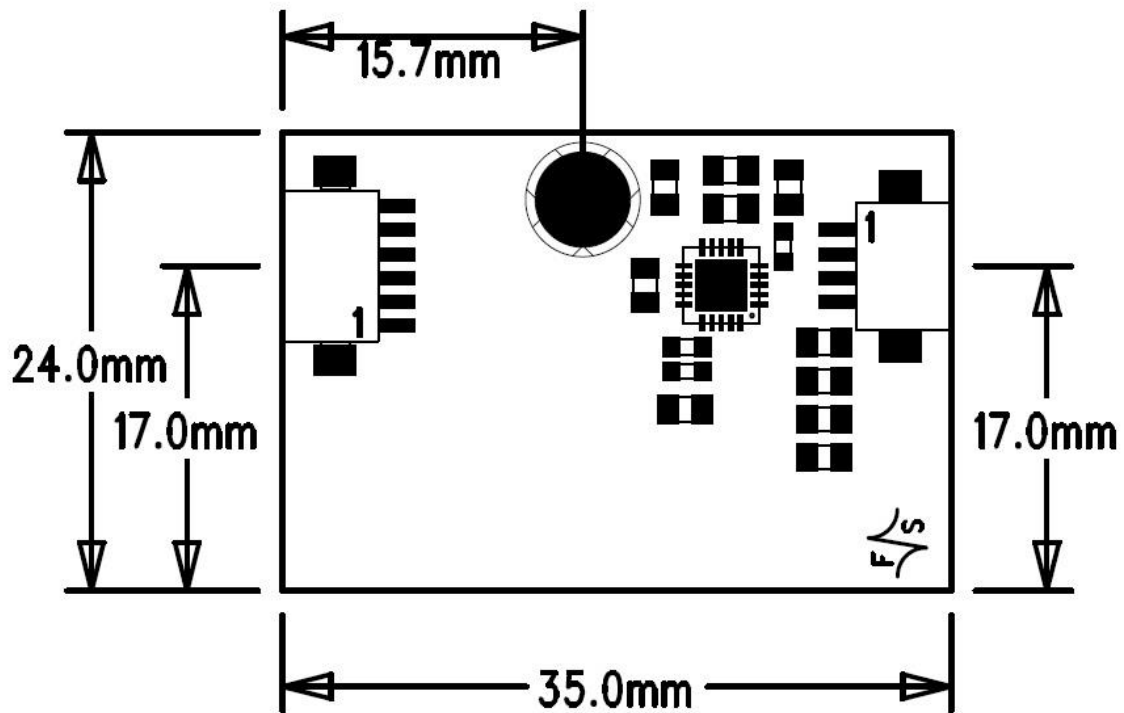


Figure 1: mechanical dimension

2.1 Module

PCB size:	24mm x 35mm
PCB thickness:	1.6 ± 0.1mm
High of parts on the top side:	1mm
High of parts on the bottom side:	0mm
Weight:	4 grams

3 Schematic

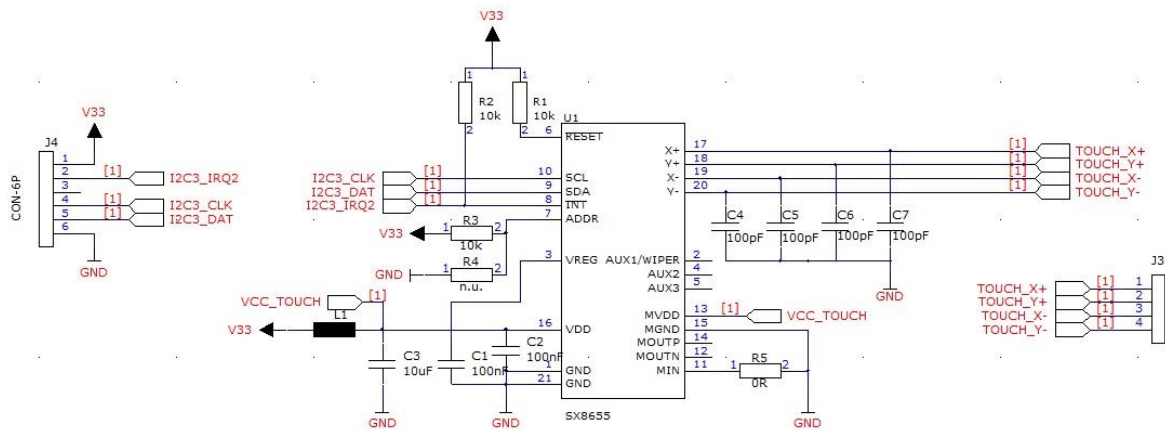


Figure 2: schematic

The datasheet of used Semtech SX8655 is available from www.semtech.com
Driver for Linux and Windows Embedded are integrated in all F&S products supporting the dedicated 4pin Hirose DF13 connector on board or on baseboard.

4 Interface and signal description

4.1 J4 I2C-Connector

J4	
Pin	Function
1	3,3 Volt
2	I2C-IRQ
3	Not connected
4	I2C-CLK
5	I2C-DAT
6	Ground

Connector Type: Hirose DF13A-6P-1.25H(20)

4.2 J3 Resistive Touch-Connector

J3	
Pin	Function
1	Touch-X+
2	Touch-Y+
3	Touch-X-
4	Touch-Y-

Connector Type: Hirose DF13A-4P-1.25H(20)

If you don't be able to adapt your resistive Touch using this manual please contact our technical support support@fs-net.de with your touch datasheet and the project name registered at our sales.

Using our wire to FFC adapter needs to make the adaptation at F&S by sending the touch datasheet. We have to solder the right FFC connector. F&S is not able to support this adapter by Email/ Phone/ Fax, because the variation matrix of this adapter is 5 to the power of 4 = 625 mounting versions.

5 Appendix

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