Touchkit with capacitive touchscreen



See below:
Approvals and Compliances

Description

- Kit content:
- 1x 10.1" SCHURTER Touchscreen Sensor on 2 mm float glass
- 1x PCAP controller board (EETI chipset)
- 1x Active Touchscreen Stylus
- 1x 1 m mini USB-Cable
- 4x self adhesive Feet
- 1x USB stick with evaluation software
- 1x AAAA battery for the active stylus
- 1x Quick Start Guide

Unique Selling Proposition

- Plug and Play
- Multitouch functionality
- Glove operation

Characteristics

- Capacitive touch sensor
- No external power supply necessary
- Choice of 2 sensitivity modes
- Up to 10 fingers at one time
- Hand palm rejection
- Water resistant
- EMC up to 10 Vrms conducted immunity and 10 V/m radiated immunity

Weblinks

html-datasheet, General Product Information, CAD-Drawings, Product News, Detailed request for product, Microsite

Technical Data

Sensor	
Type	T1542
Size	10.1 '' active area 139.6 mm x 221 mm
Electrode Pitch	5.52 mm x 5.37 mm
Material	PET + ITO + Kapton tail
Cover	2 mm float glass
Printing	Black with SCHURTER Logo
Channel-count	26 x 40 channels
Operating Temperature	-10 °C to +70 °C
Storage Temperature	-20 °C to +75 °C
Controller	
Chipset	EETI EX3146
Size	30 mm x 65 mm
Channel-count	max. 30 x 42 channels (including shield lines)
Input voltage	3.5 V ~ 5.5 V typ. 5 V (powered via USB)
Power consumption	Active mode: < 50 mA
	Idle mode: < 30 mA
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-40 °C to +90 °C
Relative humidity	95% at 60 °C RH nicht kondensierend
Interface	USB 1.1 Full speed (mini-USB)
	I²C 100 - 400 kHz (2.54 mm pitch soldering interface) *
Response time	< 25 ms
Report rate	> 100 Hz (1 - 10 fingers)
USB-HID	Compatible (Windows / Linux / Mac OS)

Active Touchscreen stylus	
Size	9.7 mm x 140.7 mm
Battery	1 x AAAA
Buttons	2
Included Software	
Hardware calibration tool	EXC3062RunCalibration.bat
SCHURTER PCAP Analyzer	AnalyserTool.exe
SCHURTER Sensitivity Tool	SensitivityTool.exe

* only on customer request

Approvals and Compliances

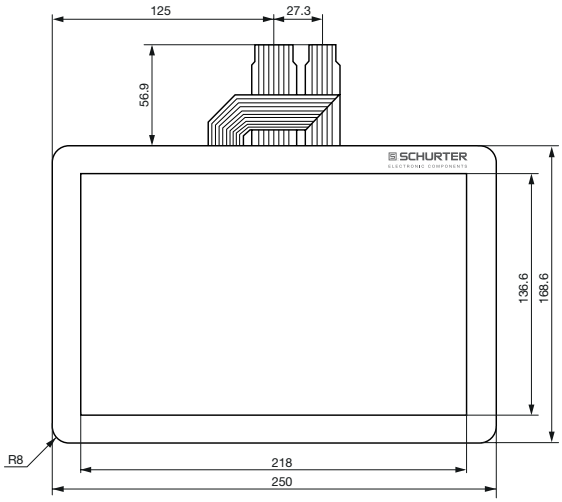
Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

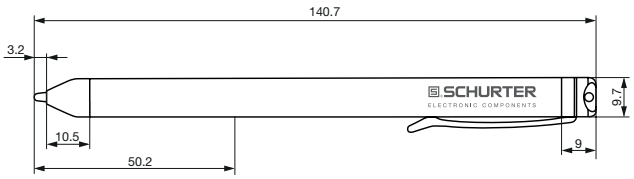
Compliances

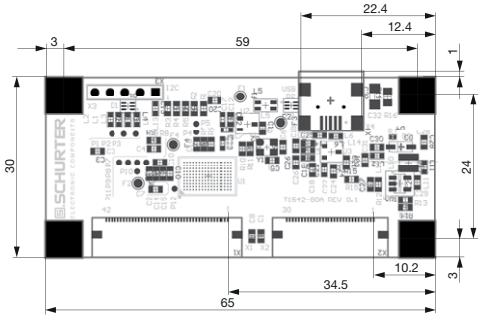
The product complies with following Guide Lines

Identification	Details	Initiator	Description
REACH	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

Dimension [mm]







Description	Bestellnummer
PCAP Touch Kit	1400.0402

Most Popular.

Availability for all products can be searched real-time:https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

Packaging unit 1 Kit



Contents of the Design-In-Kit

05.10.2018

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.