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
pdf data sheet, 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)

* only on customer request

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

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals
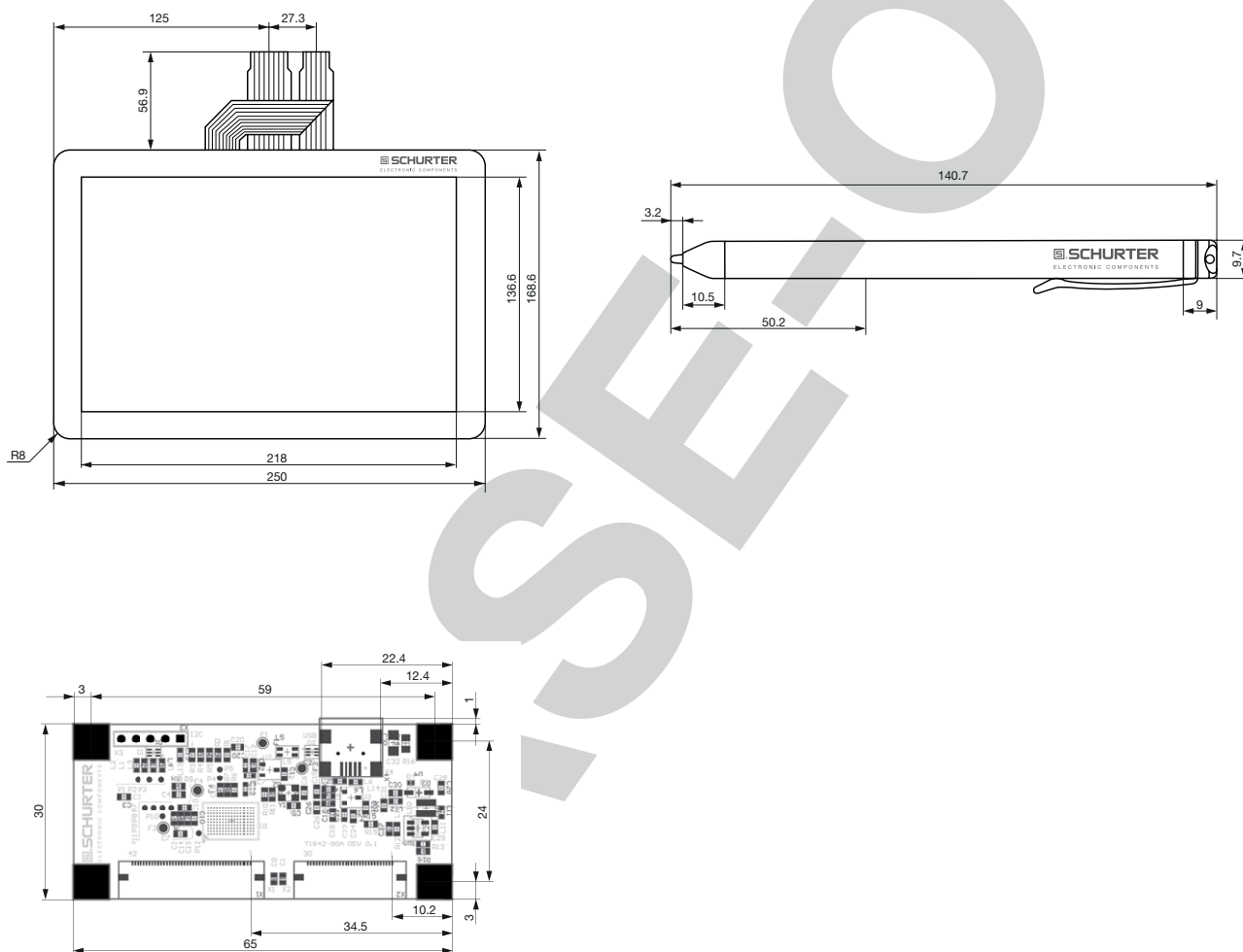
SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

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]

Designation	Bestellnummer
PCAP Touch Kit	1400.0402

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

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