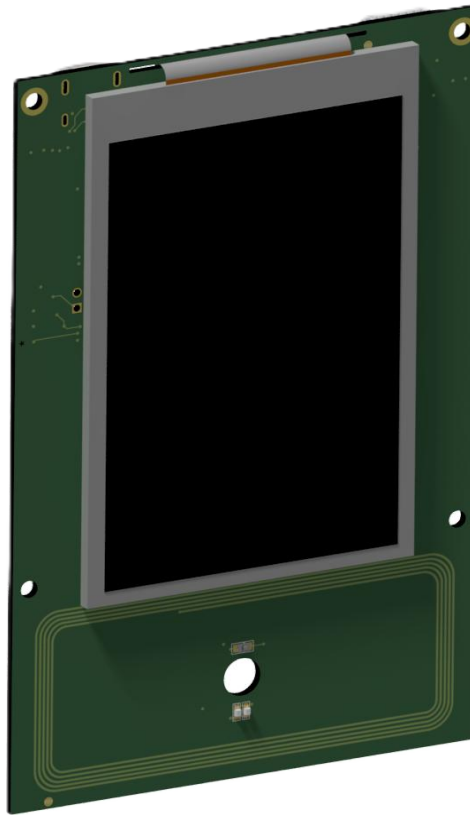


881 READER



TX-188

881-xL



AUSFÜHRUNG

- + Low-power RFID/NFC-Leser
- + Unterstützt alle gängigen 13,56-MHz-Protokolle
- + Kompatibel zu allen ddm-Lesegeräten
- + Integrierte Antenne
- + Serielle TTL, USB-C, RS232
- + 3,5" IPS-TFT Display
- + QR-Code-Generator

ABMESSUNGEN

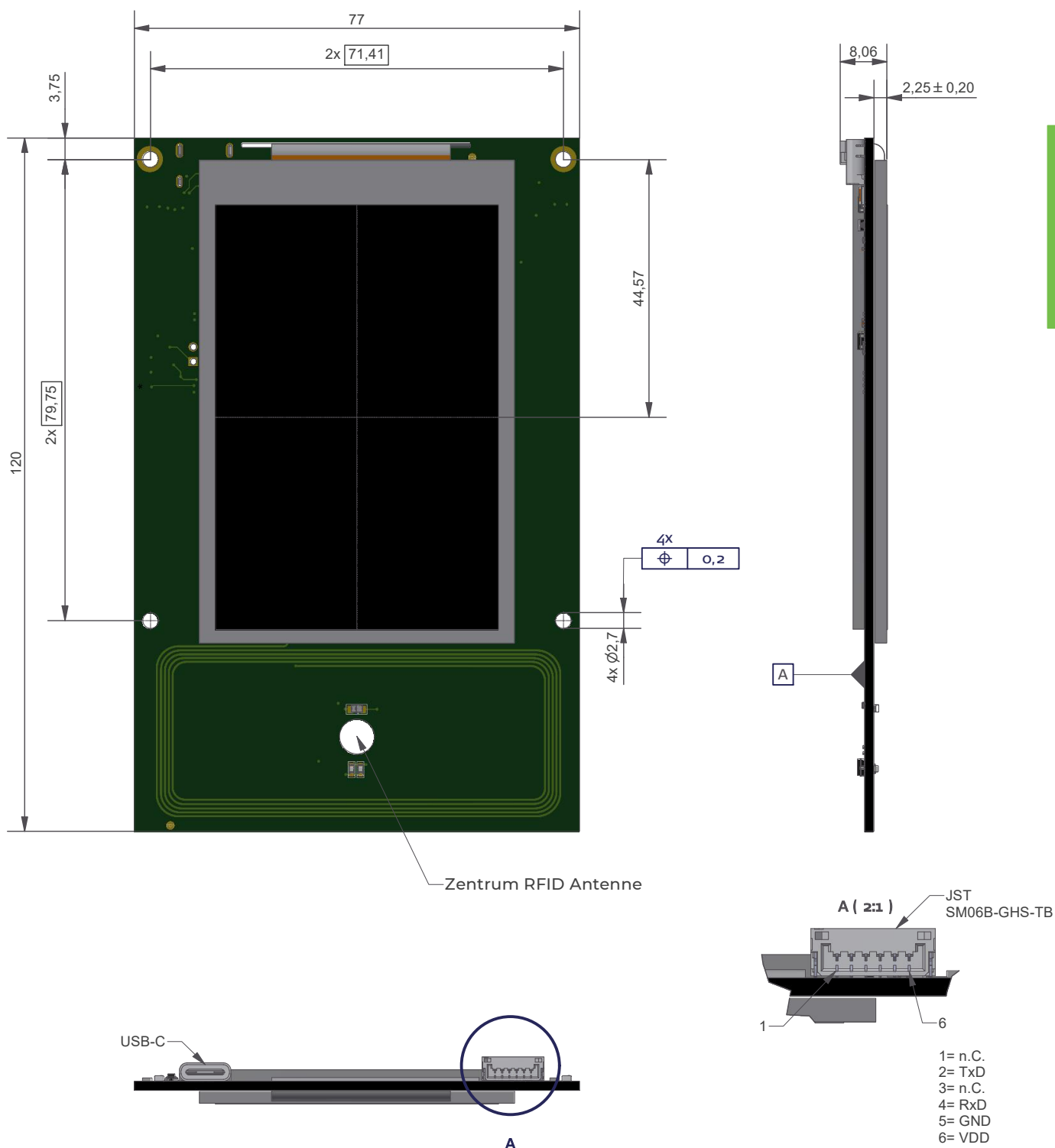
120 x 77 x 8,4 mm

CONSTRUCTION

- + Low-power RFID/NFC reader
- + Supports all common 13.56 MHz protocols
- + Compatible to all ddm devices
- + Integrated antenna
- + Serial TTL, USB-C, RS232
- + 3,5" IPS-TFT Display
- + QR-Code-Generator

DIMENSIONS

120 x 77 x 8,4 mm



Unit: mm

General tolerance ± 0.5

Abmessungen können je nach Ausführung variieren.
In den Abbildungen oben sind all konfigurierbaren
Optionen ausgewählt.

*The dimensions of the product can vary depending on your configuration.
In the drawings above, all features and all selectable options are
included.*

ELEKTRISCHE DATEN | ELECTRICAL DATA

ALLGEMEIN GENERAL	Leistungsaufnahme:	3 W	<i>Power consumption</i>
SCHNITTSTELLEN INTERFACES	Serielle TTL-Schnittstelle	3,3 V	<i>Serial TTL-Interface</i>
	RS232 Schnittstelle	7...24V	<i>Serial RS232-Interface</i>
	USB Schnittstelle	5V	<i>USB-Interface</i>
RFID	Frequenz	13,56 MHz (HF)	<i>Frequency</i>
	Antenne	Internal or external; 50 Ohm	<i>Antenna</i>

881-xL
PROZESSOR | PROCESSOR

- latest processor generation
- Arm® Cortex®-M33
- low-power in Standby with RTC (370nA)
- 512-Kbyte flash memory
- 274-Kbyte SRAM
- Options for security applications
- Secure firmware upgrade
- 2 AES coprocessor
- Public key accelerator
- HASH hardware accelerator
- true random number generator
- 96-bit unique ID
- active tamperers

NFC- PROZESSOR | NFC-PROCESSOR

- full NFC frontend
- dynamic Power Control
- Low-power card detection
- Zero-Power-Wake-Up

RFID PROTOKOLLE | RFID PROTOCOLS

ISO 14443 A	MIFARE Classic MIFARE Mini	MIFARE DESFire MIFARE DESFire Light	MIFARE Ultralight
ISO 14443 B		Calypso (2025)	
ISO 18092	NFC Forum NFC Peer-to-Peer	Sony FeliCa NFC Active and passive communication mode	
ISO 15693		iCODE	

**SUPPORTED OPERATING
SYSTEMS FOR TEST
APPLICATION**

Microsoft and Linux
ddm hopt+schuler Software (Device Portal)

UMGEBUNGSBEDINGUNGEN | ENVIRONMENTAL CONDITIONS

KLIMATISCHE BEDINGUNGEN CLIMATIC CONDITIONS	Lagertemperatur	- 30°C ... + 80°C	<i>Storage temperature</i>
	Betriebstemperatur	- 20°C ... + 70°C	<i>Operating temperature</i>
	Luftfeuchtigkeit	10 ... 100% relative Luftfeuchtigkeit, nicht kondensierend	<i>Humidity</i>
	Luftdruck	70 ... 106 kPa	<i>Air pressure</i>
MTBF	Stunden	500.000	<i>Hours</i>

Pos. 5 SCHNITTSTELLE | INTERFACE

5

8	8	1	-		L	0	0		0	0	0	0
---	---	---	---	--	---	---	---	--	---	---	---	---

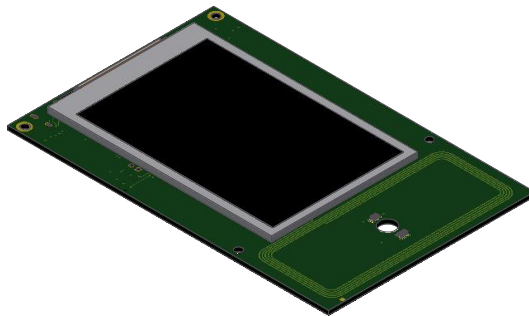
- 0 Serial TTL-Interface +3.3V
- 1 USB-C
- 2 USB + RS232
- 3 RS232

Pos. 6 BAUFORM | DESIGN

6

8	8	1	-	L	0	0		0	0	0	0
---	---	---	---	---	---	---	--	---	---	---	---

L



Pos. 8 EXTERNE ANTENNE | EXTERNAL ANTENNA

8

8	8	1	-	L	0		0		0	0	0	0
---	---	---	---	---	---	--	---	--	---	---	---	---

- 0 internal only
- 2 RF-connector AMC,
internal antenna n.c.

BESTELL-SCHLÜSSEL | CONFIGURATION

Pos. 10 ANTENNENKABEL | ANTENNA CABLE

10

8 8 1 - L 0 0 0 0 0 0

Large

0 without

1 15 cm

2 30 cm

Pos. 11 DISPLAY | DISPLAY

11

8 8 1 - L 0 0 0 0 0 0

Display: 3,5" TFT
Color Depth: 262k colors
Resolution: 320x480
Viewing Direction: 12 o` clock
LCM Luminance: 500 CD/M2
Gray Scale: 8 Bit
Lifetime: min. 20.000 h

3

Display: 3,5" IPS TFT
Color Depth: 262k colors
Resolution: 320x480
Viewing Direction: ALL
LCM Luminance: 850 CD/M2
Gray Scale: 8 Bit
Lifetime: min. 20.000 h

4

Pos. 13 Firmware | Firmware

13

8 8 1 - L 0 0 0 0 0 0

0 Standard

Pos. 14 KONFIGURATION | CONFIGURATION

14

8 8 1 - L 0 0 0 0 0 0

0 Standard

881-xL

Anschrift | Address

Firma:
Company: _____Datum:
Date: _____Adresse:
Address: _____Tel.:
Phone: _____Name:
Name: _____Fax:
Fax: _____Kundennr.:
Customer No.: _____E-Mail:
E-Mail: _____

Bestellschlüssel | ordering code

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	8	8	1	-		L	O		0			0	0	0	0

Schnittstellen _____
 Interface
 Antennenstecker _____
 Antennaplug
 Antennenkabel _____
 Antenna cable
 Display _____
 Display

Muster und 3D-Daten | Samples and 3D Data

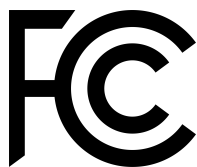
Bitte nutzen Sie die nebenstehenden Links und QR-Codes, um Ihre individuellen Muster und 3D-Daten anzufordern.

www.hopt-schuler.com

sales@hopt-schuler.com


Please use the links and QR-codes beside to require your specific samples and 3D Data.

FCC Specific FCC certification for certain configurations available. All readers are FCC compatible.



CE Conformité Européenne



RoHS/REACH

RoHS 3 + REACH conformity explanation

Hiermit bestätigen wir, dass das Produkt

Hereby we confirm that the product

keinerlei giftige Substanzen enthält, die in der RoHS II Directive 2011/65/EU

und in der REACH - Richtlinie (EC) Nr. 1907/2006 spezifiziert sind

does not contain any substances, which are specified in the RoHS 3 Directive (EU) 2015/863

and in the REACH - Directive (EC) No. 1907/2006.

Die RoHS II Directive 2011/65/EU - Konfirmität wird bestätigt!

Die REACH - Richtlinie (EC) Nr. 1907/2006 - Konformität wird bestätigt!

The RoHS 3 Directive (EU) 2015/863 conformity is confirmed!

The REACH - Directive (EC) Nr. 1907/2006 conformity is confirmed!

ISO 9001 Qualitätsmanagement

ISO 14001 Umweltmanagement