

BN 2144982

## 8.89 cm (3.5") 320 x 480 Touchscreen For Raspberry Pi®

**EN** Quick Instructions

Version: 1

### Delivery Content

---

- Screen
- Pen

### Description

---

The product is a touchscreen for your Raspberry Pi®. It connects to the GPIO header of your board.

### Features

---

- Resolution: 320×480 px
- Touch control
- High quality immersion gold surface plating

### Requirements

---

The product requires a driver. The driver is available for download. See section 'Development Resources' for details.

### Development Resources

---

Development resources and additional product information are available from:



<https://www.conrad.de/>

### Pinout / Pin Map

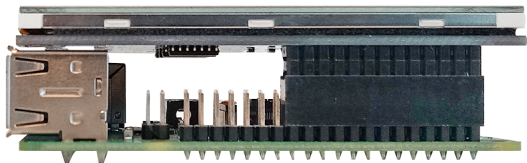
---

Pin No.	Symbol	Description
1, 17	3.3V	Power (3.3 V input)
2, 4	5V	Power (5 V input)
3, 5, 7, 8, 10, 12, 13, 15, 16	NC	NC
6, 9, 14, 20, 25	GND	Ground

11	TP_IRQ	Touch panel interrupt: Low level while the touch panel detects touching
18	LCD_RS	Instruction/Data Register selection
19	LCD_SI/ TP_SI	SPI data input of LCD/Touch panel
21	TP_SO	SPI data output of touch panel
22	RST	Reset
23	LCD_SCK/ TP_SCK	SPI clock of LCD/Touch panel
24	LCD_CS	LCD chip selection, low active
26	TP_CS	Touch panel chip selection, low active

## Installation

1. Install the required driver on your Raspberry Pi®.
2. Shut down your Raspberry Pi® and unplug the power cable.
3. Connect the screen header to the GPIO header as shown in the below image.
4. Boot your Raspberry Pi®.



(Screen installed on a Raspberry Pi® 3B+)

## Specifications

Operating voltage	3.3/5 V/DC
LCD type	TFT
LCD interface	SPI
Touch screen type	Resistive
Backlight	LED
Resolution	320 x 480 px
Aspect ratio	8:5
Dimensions (approx.)	86 x 86 x 20 mm
Weight (approx.)	53 g

## Disposal

---



Electronic devices are recyclable waste and must not be disposed of in the household waste.

At the end of its service life, dispose of the product in accordance with applicable regulatory guidelines.

You thus fulfill your statutory obligations and contribute to the protection of the environment.

## Legal Notice

---

This is a publication by Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau ([www.conrad.com](http://www.conrad.com)).

All rights including translation reserved. Reproduction by any method, e.g. photocopy, microfilming, or the capture in electronic data processing systems require the prior written approval by the editor.

Reprinting, also in part, is prohibited.

This publication represent the technical status at the time of printing.

Copyright 2020 by Conrad Electronic SE.