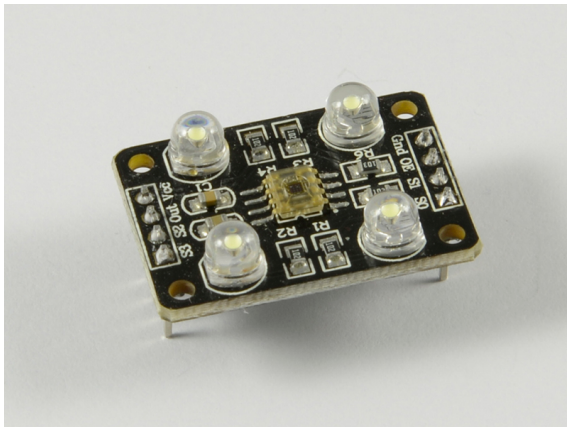
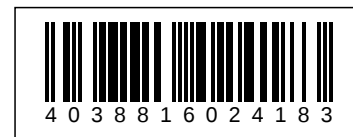


ALLNET 4duino Sensor Farbsensor TCS3200

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EAN CODE



4duino TCS3200 color sensor (TCS230 upgrade)

A-53 (C49)

verview

Sensor Chip: TCS3200 (RGB color detector) Detects static color, the output is a square wave with frequency directly proportional to incident light intensity Supports fill-light by onboard LEDs

Specifications

Power: 2.7V ~ 5.5V Ideal detection distance: 10mm Dimension: 36.0mm * 20.6mm Mounting holes size: 2.0mm

Applications

Sorting by color Ambient light sensing and calibration Test strip reading Color matching

How to Use

In the case of working with a MCU:

VCC : 2.7V ~ 5.5V GND : power supply ground LED : MCU.IO (controlling the 4 white LEDs) OUT : MCU.IO (RGB color output frequency) S0/S1 : MCU.IO (Output frequency scaling selection inputs) S2/S3 : MCU.IO (Photodiode type selection inputs)

S0/S1 selects the output frequency scaling factor, S2/S3 selects the color filter of red, green, blue, then OUT



Art.-Nr.: 111929
Herst.-Nr.: ALL-A-53C49

outputs a square wave with frequency proportional to the selected color intensity. The detected color can be determined by the ratio of the intensity of red, green and blue.

Note:

Avoids environment light noise White balance is required when the first time using the module, resetting the module, or changing the light source Lieferumfang

Weight: 0.01 kg

Color Sensor × 1 4-pin custom connector jumper wire × 2
