




TRU COMPONENTS 2521201 Digital RGB LED Flexi-Strip User Guide

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Description

The product is a flexible RGB LED strip that has control circuits and LEDs incorporated in 5050 chips. Features include:

- 5050 chips (control circuit and RGB LEDs)
- Data transmission rate: max. 800 kbit/s
- NZR communication mode
- 16,777,216 colours (256 grey levels)
- Refresh frequency: 400 Hz/s
- Continuous transmission of signal breakpoint
- Signal waveform shaping
- Serial cascade interface
- Built-in power-on reset and brown-out reset circuits
- Reverse protection

Delivery contents

- Digital RGB LED Flexi-Strip
- Quick start guide

Latest product information

Download the latest product information at www.conrad.com/downloads or scan the QR code shown. Follow the instructions on the website.

Safety instructions

- Do not look directly into the LED light!
- Do not look into the beam directly or with optical instruments!

Pinout

Pin	Description
+5V	Power supply pin
DO	Control data output
Din	Control data input
GND	Ground

Technical data

Input voltage 3.5 – 5.3 V/DC
 LED count..... 60
 Operating temperature -25 to 60 °C
 Storage temperature -40 to +120 °C
 Dimensions (L x W x H) 1000 x 9.5 x 2.7 mm
 Weight 37.7 g

LED specifications:

Colour	Type	Wave length	Brightness	Voltage
Blue	13CBAUP	465 — 467 nm	180 — 200 mcd	3.0 — 3.4 V
Green	13CGAUP	522 — 525 nm	660 — 720 mcd	3.0 — 3.4 V
Red	10R1MUX	620 – 625 nm	390 – 420 mcd	2.0 — 2.2 V

Disposal

This symbol must appear on any electrical and electronic equipment placed on the EU market. This symbol indicates that this device should not be disposed of as unsorted municipal waste at the end of its service life.

Owners of WEEE (Waste from Electrical and Electronic Equipment) shall dispose of it separately from unsorted municipal waste. Spent batteries and accumulators, which are not enclosed by the WEEE, as well as lamps that can be removed from the WEEE in a non-destructive manner, must be removed by end users from the WEEE in a nondestructive manner before it is handed over to a collection point.

Distributors of electrical and electronic equipment are legally obliged to provide free take-back of waste. Conrad provides the following return options free of charge (more details on our website):

- in our Conrad offices
- at the Conrad collection points
- at the collection points of public waste management authorities or the collection points set up by manufacturers or distributors within the meaning of the ElektroG

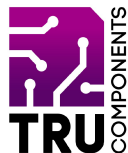
End users are responsible for deleting personal data from the WEEE to be disposed of.

It should be noted that different obligations about the return or recycling of WEEE may apply in countries outside of Germany.

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Documents / Resources

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References

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- [!\[\]\(07dce76283bf618e2364d95ae0021e26_img.jpg\) Document](#)