

555 MONOSTABLE SMD TRAINER

Electronic Kit | Data Sheet

PRODUCT IMAGE

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MANUFACTURER	MitchElectronics
COUNTRY OF ORIGIN	United Kingdom
ROHS / REACH COMPLIANT	Yes
PRODUCT DESCRIPTION	This kit is part of the SMD Trainer range that only uses SMD parts to test out your soldering skills. This kit provides all the parts needed to create the famous 555 Monostable circuit that blinks an LED, and the on-time of the LED is controlled via the SMD potentiometer. Before making this kit, be sure to read our SMD soldering guide found in our resources page, and pay extra attention when positioning components because de-soldering SMD parts can be extremely challenging.

PRODUCT SPECIFICATION:

- Component Count: 9
- Battery Powered: Yes
- Operating Voltage: 3V to 9V
- Operating Frequency: N/A
- Dimensions (PCB): 23mm x 22mm
- Mounting Holes: 4 x M2 (19mm x 18mm)
- Prebuilt: No – Kit form
- Batteries Not Included

PARTS INCLUDED:

- 1 x NE555
- 1 x 100 Ω Resistor
- 2 x 1K Ω Resistor
- 1 x 100K Ω Potentiometer
- 1 x 100nF Capacitor
- 1 x 100uF Capacitor
- 1 x Tactile Switch
- 1 x Red LED
- 1 x PP3 Connector

APPLICATIONS

The 555 Monostable SMD Trainer is ideal for SMD solder practice, and works well with the SMD Soldering Guide found in our resources page. This kit is also ideal for those who want to get into electronics, and the small size of this kit also makes it ideal for applications that need a small, modularised board. For example, this kit can be used to control a fluid pump to deliver specific amounts of a liquid after pressing the button.

KIT INSTRUCTIONS

<https://mitchelectronics.co.uk/resources/555-monostable-smd-trainer-instructions/>

ELECTRONICS CONSTRUCTION MANUAL

<https://www.mitchelectronics.co.uk/documents/electronicsConstructionManual.pdf>

NOTES

Note that product specifics such as output frequency depend on the tolerance of the components. The numbers provided here are an approximation only. Also take note that the estimated delivery is not guaranteed (unless special delivery is chosen) and free delivery has a maximum waiting time of two weeks. Any product that is returned which is built using lead solder is ineligible for a refund.

All parts sold by MitchElectronics are compliant with RoHS and REACH directives which ensure that they can be used in commercial environments as well as complying with environmental laws.