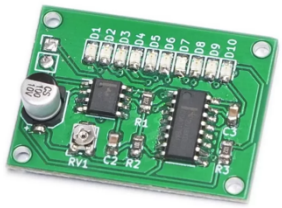
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4017 LIGHT CHASER SMD TRAINER

Electronic Kit | Data Sheet

PRODUCT IMAGE	SCAN FOR INSTRUCTIONS PAGE	SCAN FOR RESOURCE PAGE



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 4017 light chaser circuit that shows a light moving across a line, and the speed of the moving light 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: 19
- Battery Powered: Yes
- Operating Voltage: 3V to 9V
- Operating Frequency: N/A
- Dimensions (PCB): 32mm x 24mm
- Mounting Holes: 4 x M2 (28mm x 20mm)
- Prebuilt: No – Kit form
- Batteries Not Included

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PARTS INCLUDED:

- 1 x NE555
- 1 x 4017
- 1 x 100Ω Resistor
- 2 x 1KΩ Resistor
- 1 x 100KΩ Potentiometer
- 2 x 100nF Capacitor
- 1 x 10uF Capacitor
- 10 x Red LED
- 1 x PP3 Connector

APPLICATIONS

The 4017 Light Chaser SMD Trainer is ideal for those learning to solder SMD parts, and the Soldering Guide under our resources page guides you through how to identify SMD parts, how to solder them, and things to watch out for.

This kit can also be used for unique displays, props, and unique interfaces that use LEDs for visual interest. Finally, because this kit works with PP3 9V batteries, it is extremely useful for classrooms and universities where students are introduced to electronic components.

KIT INSTRUCTIONS

https://mitchelectronics.co.uk/resources/4017-light-chaser-smd-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.