MitchElectronics Ltd.

ELECTRONIC DICE

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	If you find yourself inside on a rainy day and without dice to play your favourite board games then look no further as the MitchElectronics Electronic Dice kit is just for you! Built using three main sub-circuits this kit will simulate a dice with a simple cool-down system so you can watch the numbers roll. Press and hold the switch to start the dice rolling and then let go when your feeling lucking for that number which gets you past those expensive hotels or away from that ladder!

PRODUCT SPECIFICATION:

- Component Count: 40
- Battery Powered?: Yes, 9V PP3
- Operating Voltage: 7V to 16V
- Operating Frequency: N/A
- Output Voltage: N/A
- Output Current: N/A
- Dimensions (PCB): 82mm x 33mm
- Mounting Holes: No
- Prebuilt: No – Kit form
- Batteries Not Included

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PARTS INCLUDED:

- 1 x 16 DIP Socket
- 2 x 8 DIP Socket
- 1 x 4017
- 2 x 555
- 2 x 2N3904
- 3 x 330R Resistors
- 1 x 470R Resistor
- 1 x 1K Resistor
- 4 x 10K Resistor
- 1 x 680K Resistor
- 6 x 100nF Capacitors
- 1 x 100uF Capacitor
- 1 x Tactile Switch
- 7 x Red LED
- 6 x 1N4148
- 1 x PP3 Connector
- 1 x PCB

APPLICATIONS

The electronic dice is an ideal project for those who are new to electronics and want a project that has a practical purpose. An electronic dice is a good alternative to standard dice which are easy to lose and easy to cheat. The electronic dice kit is a perfect project for electronic hobbyists, clubs, and schools that have a limited amount of time for construction. This kit can be built in under an hour, and only requires a PP3 battery to operate.

This kit is only suitable for games that require 6-sided dice, and cannot be used with advanced games such as War Hammer, Dungeons and Dragons, and WW2 – Who Dares Wins.

KIT INSTRUCTIONS

https://mitchelectronics.co.uk/resources/electronic-dice-kit-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.