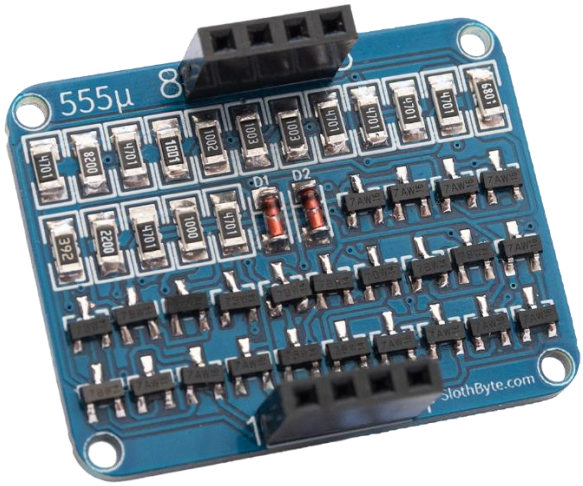
“The 555 Micro” Kit



Surface-mount discrete version of the popular 555 timer IC. This educational product is designed to give you an insight into the inner workings of a 555 timer IC as well as proving surface-mount soldering practice.

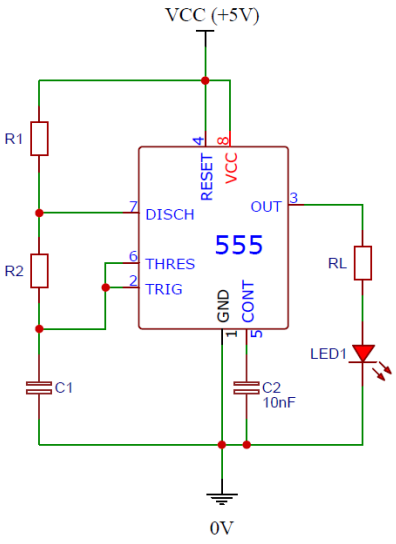
Resistor package size 1206 (imperial), 3216 (metric), 3.2 x 1.6 mm

This is the MICRO version measuring just 28 x 36 mm.

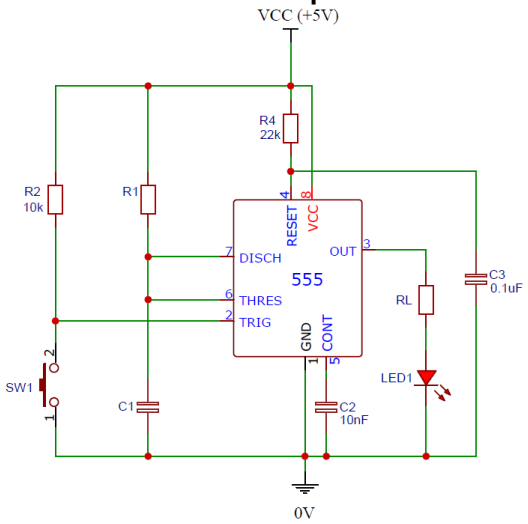
Features

- Timing from microseconds to hours
- Astable or monostable operation
- Adjustable duty cycle

Astable Operation

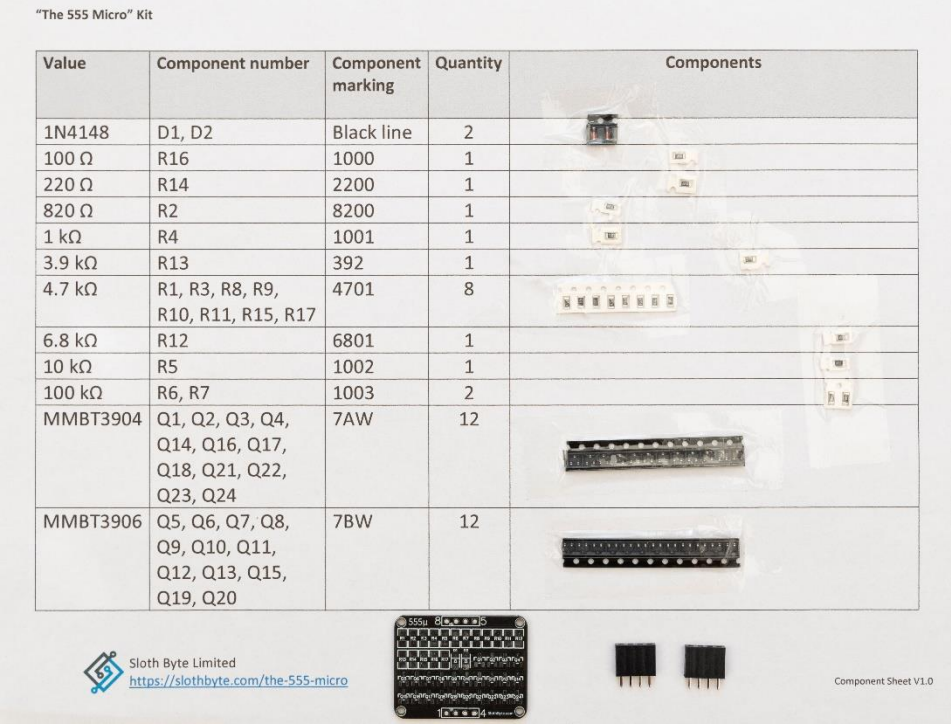


Monostable Operation



Kit Contents*

Surface-mount components supplied taped to A4 paper component chart



"The 555 Micro" Kit

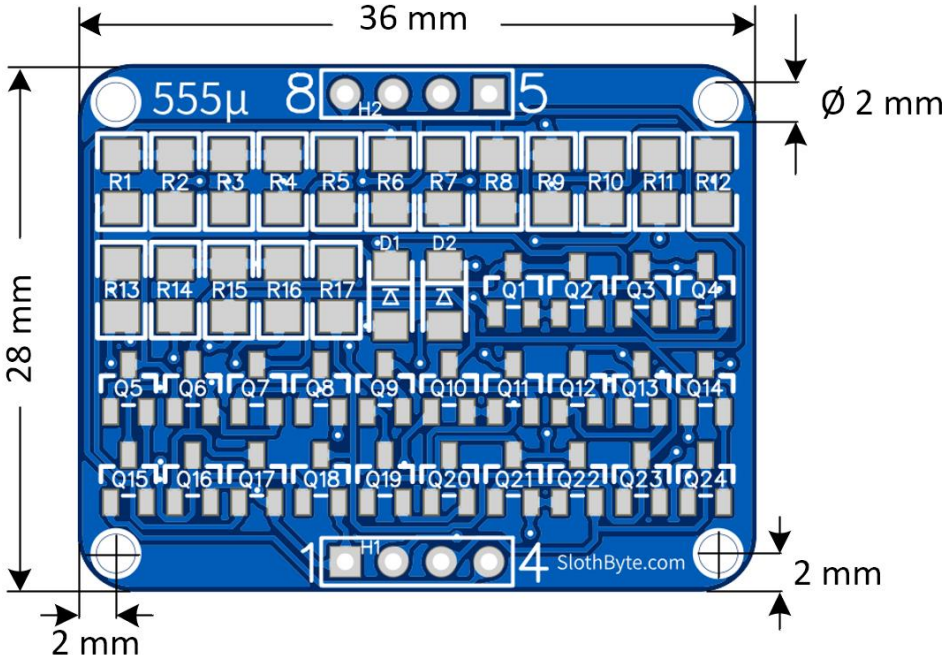
Value	Component number	Component marking	Quantity	Components
1N4148	D1, D2	Black line	2	
100 Ω	R16	1000	1	
220 Ω	R14	2200	1	
820 Ω	R2	8200	1	
1 kΩ	R4	1001	1	
3.9 kΩ	R13	392	1	
4.7 kΩ	R1, R3, R8, R9, R10, R11, R15, R17	4701	8	
6.8 kΩ	R12	6801	1	
10 kΩ	R5	1002	1	
100 kΩ	R6, R7	1003	2	
MMBT3904	Q1, Q2, Q3, Q4, Q14, Q16, Q17, Q18, Q21, Q22, Q23, Q24	7AW	12	
MMBT3906	Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q15, Q19, Q20	7BW	12	

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https://slothbyte.com/the-555-micro

Component Sheet V1.0

Colour of components may differ. PCB available in blue or black.

Measurements (not to scale)



Technical Data

Dimensions (W x H):	28 x 36 mm
PCB Thickness:	1.6 mm
Power Supply:	5 V dc

Extent of supply

PCB
All components*
Detailed assembly instructions**

* If purchased as a kit.

** pdf download from https://slothbyte.com/the-555-micro

This product is an educational hobby kit; it is not for use in life-critical systems or where failure could lead to the risk of injury or death. The technical data contained herein has been provided solely for informational purposes and is not legally binding. This datasheet is subject to change, technical or otherwise.