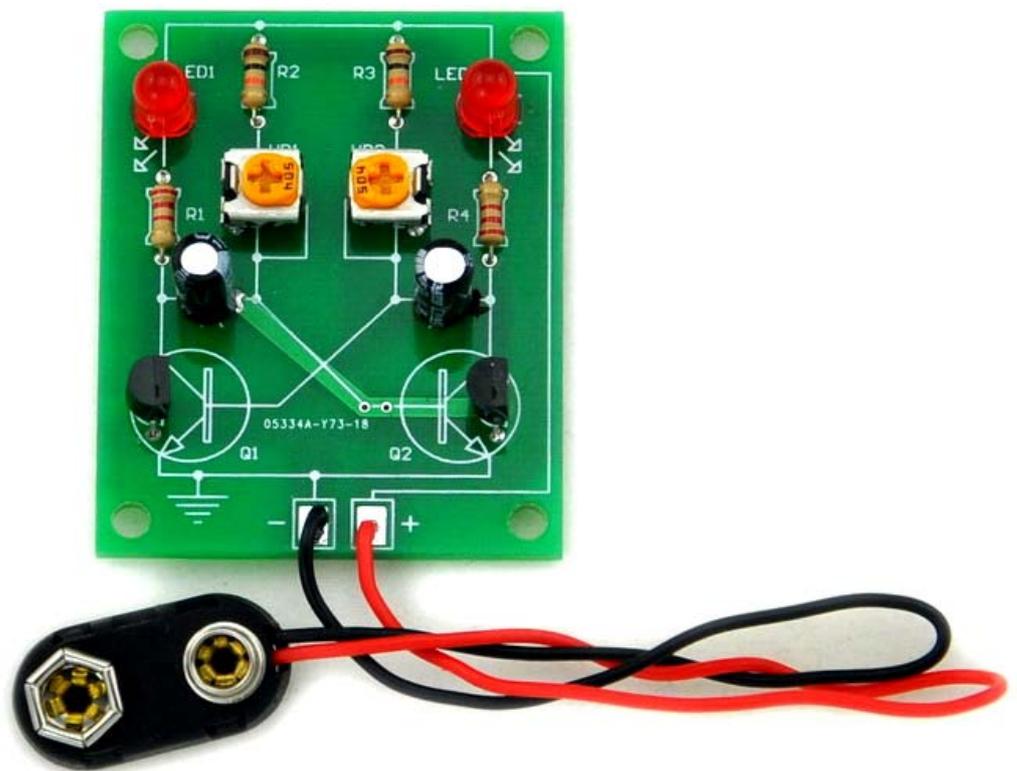


Electronics-Salon

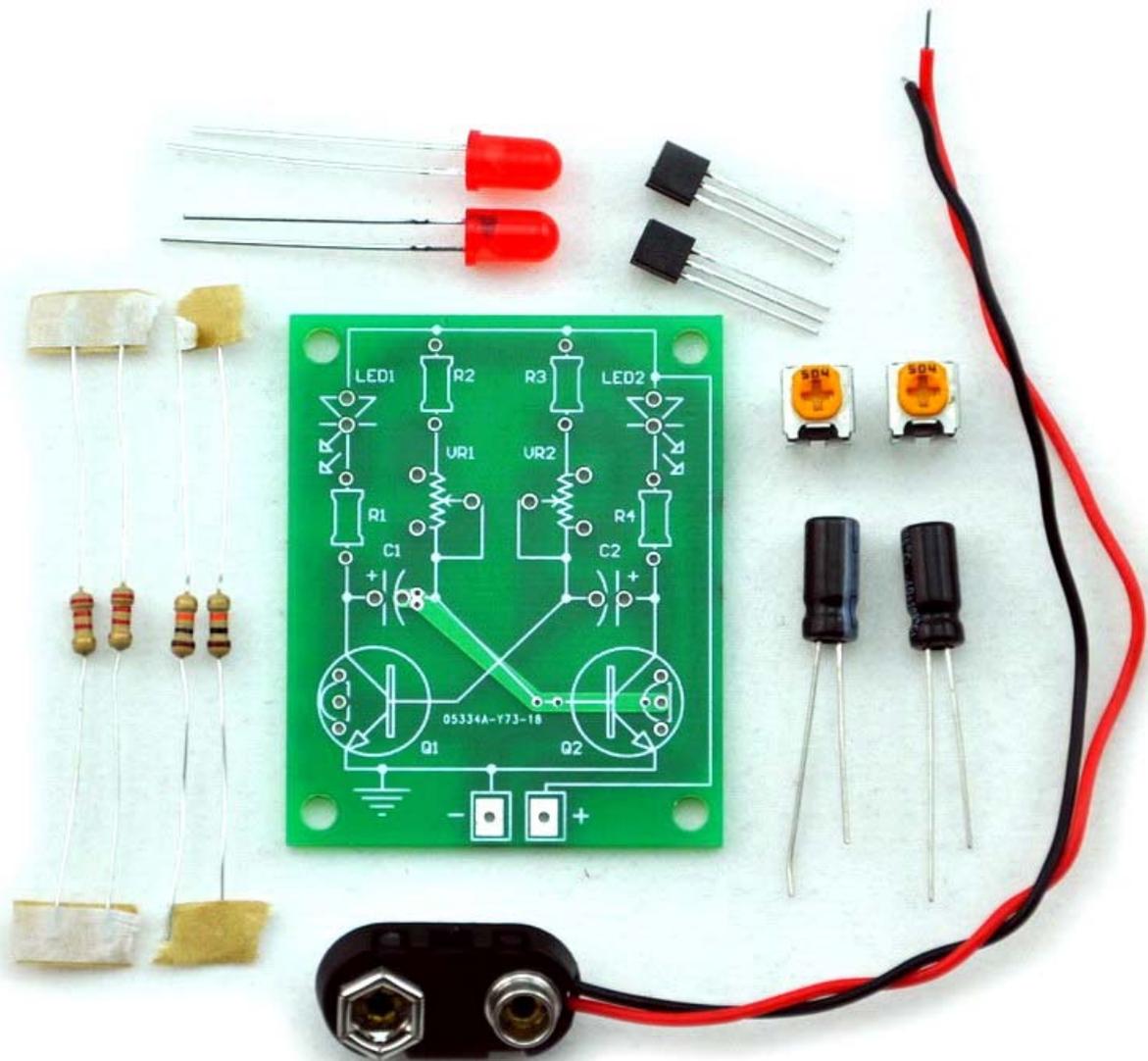
SPECIFICATION

Model: E-105

Adjustable Transistor Astable Multivibrator Circuit Learn Kit
Unassembled Version



This is an intuitive, simple and inexpensive circuit kit, both exercise your soldering skills, also profound learning transistor astable multivibrator circuit. adjustable LED flashes cycle time, will attract and enhance students' interest in learning . intuitive PCB component placement position, even without the schematic, you will also be able to easily understand the circuit. the kit included a 9V battery snap wire, but 9V battery is not included.

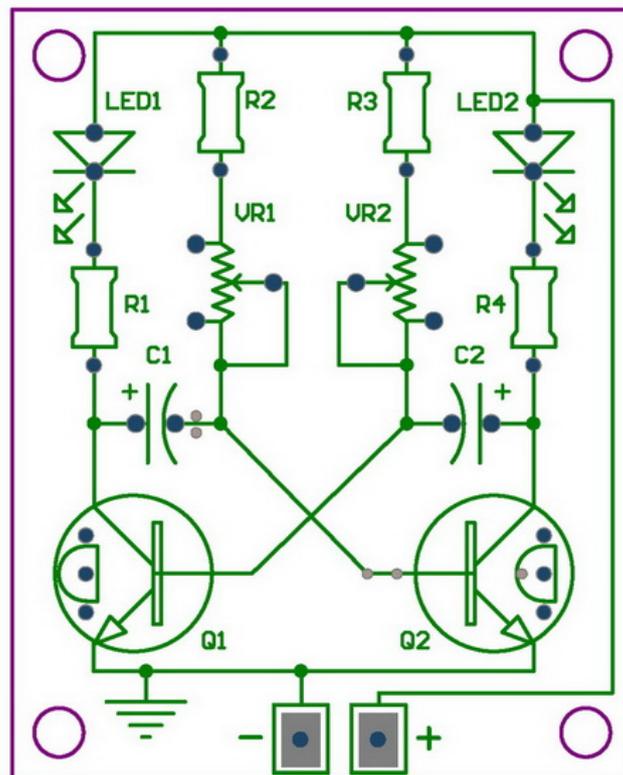
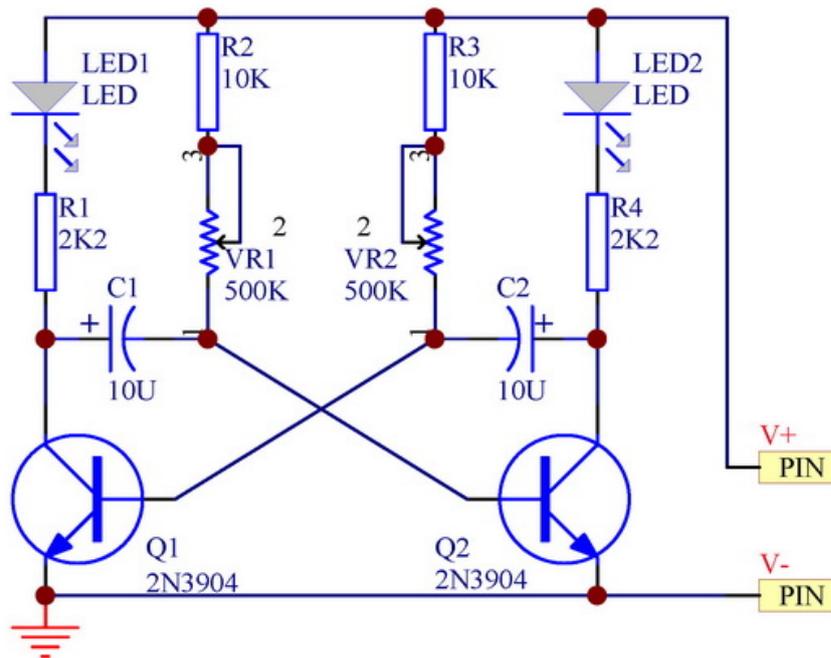


PCB size: 40mm x 50mm.

Work voltage: DC 3 ~ 15V.

LED flashing cycle: 0.12 ~ 5 second.

Schematic and PCB top view:



Parts List:

Component	Quantity	Position	Note
PCB	1	X	
Battery snap wire	1	X	If use 9V battery, red wire connect to PCB +, black wire connect to -
1/4 watt 2.2k ohm resistor	2	R1, R4	Color ring: red red red gold
1/4 watt 10k ohm resistor	2	R2, R3	Color ring: brown black orange gold
5mm red LED	2	LED1, LED2	Longer pin is anode, shorter pin is cathode.
10uF 50V electrolytic capacitor	2	C1, C2	Longer pin is +, shorter pin is -
2N3904 NPN transistor	2	Q1, Q2	Marking code "2N3904"
500K ohm potentiometer	2	VR1, VR2	Marking code "504"