

LED TOL BOUWPAKKET

€ 6,95

Excl. BTW: € 5,74

Afbeeldingen



The circuit consists of a PCB populated with a microcontroller to drive two groups of LED lighting alternately. When connected to the rotating LED gear, the vibration switch is connected to the ground supply. The circuit works, because of the temporary phenomenon of eye vision, once a pattern appears.

WORKING PRINCIPLE
When the battery is loaded, the micro switch (S1) is disconnected, so the circuit does not work. When the gear is rotated, due to the optical effect, the vibration switch (S1) is connected, and the circuit works. The working principle of the multi-color circuit is that when the power is connected, the two LEDs (Q1 and Q2) will conduct to the plate, but because of the difference of components, only one tube in the most plate. Thus the two transistors in the circuit will take turns to conduct, and the two light-emitting diodes will keep circulating light. When the gear is rotated, the bright LED will appear in a straight line because the lights are staggered, and each two lights are alternately, so there are multiple colored line ahead patterns.

COMPONENT LIST

Name	Number	Name	Number
104 ceramic chip capacitor	2	M2-D3 screw	1
1.5 resistor	4	M2-D3 pin	1
1.5 resistor	2	M2-D3 pin	1
BC137 ic	2	Vibration switch	1
Battery holder	2	Circuit board	1
Printed	4		

Beschrijving

Bouwkit Led Tol

Productinformatie

Artikelnummer	EKO36
Merk	Merk

