

**BILL OF MATERIAL (BOM)**

Part	Value	Package	Description
C1	10 $\mu$ F	EIA3216	Capacitor Polarized
C2	10 $\mu$ F	EIA3216	Capacitor Polarized
C3	10 $\mu$ F	EIA3216	Capacitor Polarized
C4	0.1 $\mu$ F	EIA3216	Capacitor Polarized
C5	10 $\mu$ F	0603-CAP	Capacitor
D1	S1 A/AB	SMA-DIODE	Diode
IC2	SN74HC595	TSSOP16	8-bit SHIFT REGISTER, output latch
IR1	TSOP4856	TSOP18XX	IR Receiver and Demodulator
IR2	TSOP4856	TSOP18XX	IR Receiver and Demodulator
IR3	TSOP4856	TSOP18XX	IR Receiver and Demodulator
LED1	RGBLED5050	RGBLED5050	For 5050 RGB LEDs, the order of the LEDs may vary from one manufacturer to another!
LED2	RGBLED5050	RGBLED5050	For 5050 RGB LEDs, the order of the LEDs may vary from one manufacturer to another!
M1	MOTOR10MM	VIBE-MOTOR-10MM	Vibration Motor 10MM
Q1	200mA/50V BSS138	SOT23-3	Common NMOSFET Parts TRANS-00830 200mA/50V
R1	100R	0603-RES	
R2	100R	0603-RES	
R3	100R	0603-RES	
R4	10R	0603-RES	
R5	65R	0603-RES	
R6	10R	0603-RES	
R7	10R	0603-RES	
R8	65R	0603-RES	
R9	10R	0603-RES	
R10	10K	0603-RES	
R11	330R	0603-RES	
R12	10K	0603-RES	