

BOM list for Simple Flashlight Board Assembly

Designator	Description	Comment	QTY.	Manufacturer	Manufacturer Part Number	Order Code Chip&Dip	Component Link
C1	Capacitor ceramic	22uF	1	MuRata	GRM31CR61C226KE15L	9000103922	None
C2	Capacitor ceramic	1uF	1	MuRata	GRM188R61A105K	886959440	None
C3	Capacitor ceramic	10uF	1	MuRata	GRM21BR71A106KE51L	9000122622	None
L1	Inductor, SMD	10uH	1	Bourns	SDR0805-100ML	246436964	None
LED1, LED2, LED3	SMD LED	2.8V 0.07A	3	ENLINCA	None	None	Aliexpress
R1, R4, R7	Thick Film Chip Resistor	6.8R	3	Yageo	RC0805FR-076R8L	9000079932	None
R2	Thick Film Chip Resistor	12k	1	Yageo	RC0805FR-0712KL	9000079516	None
R3	Thick Film Chip Resistor	62k	1	Yageo	RC0805FR-0762KL	9000079533	None
R5	Thick Film Chip Resistor	11k	1	Yageo	RC0805FR-0711KL	9000079515	None
R6	Thick Film Chip Resistor	20k	1	Yageo	RC0805FR-0720KL	9000079521	None
U1	500mA Synchronous Step Down Converter	TPS560200DBVR	1	Texas Instruments	TPS560200DBVR	9000200421	None