

## LrE-6 BOM

Reference	Value	Footprint	Notes
C1	0.01u	SMD:0805	
C2	0.01u	SMD:0805	
C3	0.01u	SMD:0805	
C4	0.01u	SMD:0805	
C5	0.01u	SMD:0805	
C6	0.01u	SMD:0805	
C7	0.01u	SMD:0805	
C8	0.01u	SMD:0805	
C9	0.01u	SMD:0805	
C10	0.01u	SMD:0805	
C11	0.01u	SMD:0805	
C12	0.01u	SMD:0805	
C13	0.1u	SMD:0603	
C14	0.1u	SMD:0603	
C15	10u	SMD:0805	
C16	0.1u	SMD:0603	
C17	0.1u	SMD:0603	
C18	0.1u	SMD:0603	
C19	10u	SMD:0805	
C20	0.1u	SMD:0805	
C21	1u	SMD:0805	
C22	1u	SMD:0805	
C23	1u	SMD:0603	
C24	1u	SMD:0603	
C25	0.01u	SMD:0805	
C26	1u	SMD:0805	
C27	0.1u	SMD:0603	
C28	10u	SMD:0805	
C30	0.1u	SMD:0805	
C31	0.1u	SMD:0805	
C32	0.1u	SMD:0805	
C33	0.1u	SMD:0805	
C34	0.1u	SMD:0805	
C35	0.1u	SMD:0805	
C36	0.1u	SMD:0805	
D1	1N4148W	SMD:SOD-123	
D2	1N4148W	SMD:SOD-123	
D3	1N4148W	SMD:SOD-123	
D4	1N4148W	SMD:SOD-123	
D5	1N4148W	SMD:SOD-123	
D6	1N4148W	SMD:SOD-123	
D7	1N4148W	SMD:SOD-123	
D8	1N4148W	SMD:SOD-123	
D9	1N4148W	SMD:SOD-123	
D10	1N4148W	SMD:SOD-123	
D11	1N4148W	SMD:SOD-123	
D12	1N4148W	SMD:SOD-123	
D13	1N4148W	SMD:SOD-123	
D14	1N4148W	SMD:SOD-123	
D15	1N4148W	SMD:SOD-123	
D16	1N4148W	SMD:SOD-123	
D18	SMD LED	SMD:0603	
D31	WS2812B-2020		
D32	WS2812B-2020		
D33	WS2812B-2020		
D34	WS2812B-2020		
D35	WS2812B-2020		
D36	WS2812B-2020		

H1	MountingHole	Diameter 3.2mm	Not parts
H2	MountingHole	Diameter 3.2mm	Not parts
H3	MountingHole	Diameter 3.2mm	Not parts
H4	MountingHole	Diameter 3.2mm	Not parts
J1	MCUBF-09-1	USB Micro B	
J2	SM06B-SRSS-TB	JST	
J3	LP_Header_02x03		Unmount
J4	LP_Header_01x02		Unmount
Q1	2N7002	SMD:SOT-23	
Q11	2N7002	SMD:SOT-23	
R1	1K	SMD:0805	
R2	1K	SMD:0805	
R3	1K	SMD:0805	
R4	1K	SMD:0805	
R5	10K	SMD:0805	
R6	10K	SMD:0805	
R7	10K	SMD:0805	
R8	10K	SMD:0805	
R9	10K	SMD:0805	
R10	10K	SMD:0805	
R11	10K	SMD:0805	
R12	10K	SMD:0805	
R13	10K	SMD:0805	
R14	10K	SMD:0805	
R15	10K	SMD:0805	
R16	10K	SMD:0805	
R17	10K	SMD:0805	
R18	10	SMD:0805	
R19	10K	SMD:0805	
R20	10K	SMD:0805	
R21	4.7K	SMD:0805	
R24	470	SMD:0805	
R33	10K	SMD:0805	
R34	100	SMD:0805	
R36	10K	SMD:0805	
R37	10K	SMD:0805	
SW1	6x6x10mmTact SW		
SW2	6x6x10mmTact SW		
SW3	6x6x10mmTact SW		
SW4	6x6x10mmTact SW		
SW5	6x6x10mmTact SW		
SW6	6x6x10mmTact SW		
SW7	6x6x10mmTact SW		
SW8	6x6x10mmTact SW		
SW9	6x6x10mmTact SW		
SW10	6x6x10mmTact SW		
SW11	9.5EQ	EC11E-SMD	
SW12	9.5EQ	EC11E-SMD	
SW13	9.5EQ	EC11E-SMD	
SW14	9.5EQ	EC11E-SMD	
SW15	9.5EQ	EC11E-SMD	
SW16	9.5EQ	EC11E-SMD	
TP1	TestPoint		Unmount
U1	STM32F072C8T6	LQFP-48	
U2	ESP-WROOM-02		
U3	AQM0802-FLW-GBW		
U4	SPX3819M5-L3-3TR	SOT-23-5	