#	Ref	Value	Qty	Description	Product	Vendor
1	C1, C2	1uF	2	CAP CER 1UF 10V 10% X7R 0805	CC0805KKX7R6BB105	Yageo
2	C13, C14	8pF	2	CAP CER 8PF 50V NP0 0805	CC0805DRNPO9BN8R0	Yageo
3	C9, C17, C18	10uF	3	CAP CER 10UF 6.3V X5R 0805	CC0805KKX5R5BB106	Yageo
4	CLED1 - CLED4, C3-C7	0.1 uF	9	CAP CER 0.1UF 16V X7R 0805	CL21B104KOANNNC	Yageo
5	D1:1	1N4148	24	1N4148 SOD123 DIODE	1N4148W-FDICT-ND	Diodes Inc
6	F1	PTC FUSE	1	PTC RESTTBLE 1.0A 6V CHIP 1206	0ZCJ0100FF2E	Bel Fuse Inc
7	L2	4.7uH	1	FIXED IND 4.7UH 1.9A 84 MOHM SMD	SRN4018-4R7M	Bourns Inc
8	LED1:1 - LED6:4, :LEDI1 - LEDI6	LED	24	2x3x4mm 1.8mm 3mm flangeless LED		
9	LEDG1 - LEDG4	WS2812B	4	LED RGB WS2812B W/DVR 4SMD 10PK	WS2812B	WorldSemi
10	LEDI7	LED	1	0805 SMD LED		
11	P1	USB_CONN	1	USB Micro B Female	10103594-0001LF	Amphenol
12	R1	10k	1	RES SMD 10K OHM 1% 1/8W 0805	RC0805FR-0710KL	Yageo
13	R24	330	1	RES SMD 330 OHM 1% 1/8W 0805	RC0805FR-07330RL	Yageo
14	R25	RLED	1	Resistor to set LED current select 0.1/I	RL0805FR-7W0R5L	Yageo
15	R3, R4	22	2	RES SMD 22 OHM 5% 1/8W 0805	RC0805FR-0722RL	Yageo
16	R14	100k	1	RES SMD 100K OHM 1% 1/8W 0805	RC0805FR-07100KL	Yageo
17	RI1 - RI7	470	7	0805 Resistor for LED	RC0805FR-07470KL	Yageo
18	S1	TAC_SWITCH	1	SWITCH TACTILE SPST-NO 0.02A 15V	PTS525SM15SMTR2 LFS	C&K Components
19	S1:1	SW	24	MX Alps or compatible switch		
20	U1	ATMEGA32U4	1	IC MCU 8BIT 32KB FLASH 44TQFP	ATMEGA32U4-AU	Atmel
21	U3	IP4234CZ6	1	TVS DIODE 5.5VWM 6TSOP	IP4234CZ6	NXP
22	U5	PAM2804	1	LED Driver IC 1 Output DC DC Buck 1A	PAM2804AAB010	Diodes Inc
23	X1	16Mhz	1	Crystal 16.0000MHz 15ppm 8pF 50 Ohm	NX3225SA-16.000MHZ-STD-CSR-1	NDK

#	Buzzer (Optional)					
1	BZ1	BUZZER	1	BUZZER MAGNETIC 3.6V 8.5MM SMD	SMT-0931-S-R	PUI Audio Inc
2	C8	0.1 uF	1	CAP CER 0.1UF 16V X7R 0805	CL21B104KOANNNC	Yageo
3	R33	100	1	RES SMD 100 OHM 1% 1/8W 0805	RC0805FR-07100RL	Yageo

#	Encoder (Optional)					
1	C22, C23	1uF	2	CAP CER 1UF 10V 10% X7R 0805	CC0805KKX7R6BB105	Yageo
2	R34, R35	10k	2	RES SMD 10K OHM 1% 1/8W 0805	RC0805FR-0710KL	Yageo
3	S2	ENCODER	1	ENCODER ROTARY	PEC12R-4017F-N0024	Bourns Inc