

#ITEM	QUANTITY	REFERENCE DESCRIPTION	VALUE	MANUFACTURER PART NUMBER	DESCRIPTION	TYPE
1	14	R2, R3, R6-R17	100kΩ	R_0603_1608Metric	Resistance	SMD
2	3	R1, R4, R18	1kΩ	R_0603_1608Metric	Resistance	SMD
3	1	R19	8k2Ω	R_0603_1608Metric	Resistance	SMD
4	1	R5	470Ω	R_0603_1608Metric	Resistance	SMD
5	7	C3, C4, C7-C11	100nF	C_0603_1608Metric	Capacitor	SMD
6	4	C1, C2, C5, C6	10nF	C_0603_1608Metric	Capacitor	SMD
7	1	RV1	10k	Potentiometer_ACP_CA6-H2,5_Horizontal	potentiometer	Through hole
8	1	RV2	10k	Potentiometer_ACP_CA6-H2,5_Horizontal	potentiometer	Through hole
9	3	SW1, SW2, SW3	SW_SPST	SW_PUSH_6mm_H9.5mm	switch	Through hole
10	2	U1, U2	NE555D	SOIC-8_3.9x4.9mm_P1.27mm	Precision Timers	SMD
11	2	U3, U4	4040	SO-16_3.9x9.9mm_P1.27mm	binary counter	SMD
12	1	U5	LM741	SOIC-8_3.9x4.9mm_P1.27mm	Operational Amplifier	SMD
13	1	U6	FT232RL	SSOP-28_5.3x10.2mm_P0.65mm	USB UART I.C	SMD
14	1	BZ1	Buzzer	MagneticBuzzer_PUI_AT-0927-TT-6-R	Buzzer	Through hole
15	1	Q1	MMBT3904	SOT-23	Transistor	SMD

16	1	J1	USB_B	USB_Mini-B_Wuerth_65100516121_Horizontal	USB_B	SMD
17	1	J2	UART	PinHeader_1x02_P2.54mm_Vertical	UART	Through hole