LED1 LED2

BUZZER1 D1

R12

SW4 C2 U4 Q2 Q3 Q4 Q8 Q5 Q6 Q7 Q9

Q1

R11

R13 R15 R17 R27 R14 R16 R18 R28

R26 R25 R21 R24 R23 R22 R20 R19

USB1

R2
R3
R4
R5
R6
R7
R9
R10

U2

R1 U1

C3 C1

X1

SW2 SW3 SW5 SW6 SW7 R8 U3 SW1 H1

No.	Quantity	Comment	Designator	Footprint	Value	Manufacturer Part	Manufacturer	Supplier Part	Supplier
1	1	3kHz	BUZZER1	BUZ-TH_BD9.6-P5.00-D0.7-FD	3kHz	HNB09A05		C96493	LCSC
2	2	30pF	C1,C3	CAP-TH_L8.5-W5.0-P5.00-D1.2	30pF	CC4-0805N300J500F3	FH( )	C94716	LCSC
3	1	100nF	C2	CAP-TH_L8.5-W5.0-P5.00-D1.2	100nF	CT4-0805B104K500F3	FH( )	C84772	LCSC
4	1	1N5819	D1	DO-41_BD2.4-L4.7-P8.70-D0.9-FD		1N5819	MDD( )	C2474	LCSC
5	1	PZ254R-11-04P	H1	HDR-TH_4P-P2.54-H-M-W10.4		PZ254R-11-04P	XFCN( )	C492412	LCSC
6	2	SR410361N	LED1,LED2	LED-SEG-TH_12P-L30.0-W14.0-P2.54-S10.26-BL		SR410361N	ARKLED( )	C132660	LCSC
7	1	SS8550DTA	Q1	TO-92-3_L4.8-W3.7-P2.54-L		SS8550DTA	onsemi( )	C903228	LCSC
8	8	BC327-25	Q2,Q3,Q4,Q5,Q6,Q7,Q8,Q9	TO-92-3_L4.9-W3.7-P1.27-L		BC327-25	LGE( )	C713607	LCSC
9	1	4.7k	R1	RES-TH_BD2.3-L6.5-P10.50-D0.5	4.7k	MF1/4W-4.7K ±1% T	CCO( )	C119339	LCSC
10	9	10k	R2,R3,R4,R5,R6,R7,R8,R9,R10	RES-TH_BD2.5-L6.5-P10.50-D0.6	10k	MFR0W4F1002A50	UNI-ROYAL( )	C57436	LCSC
11	9	220	R11,R19,R20,R21,R22,R23,R24,R25,R26	RES-TH_BD2.2-L6.5-P10.50-D0.6	220	MF1/4W-220 ±1% T	CCO( )	C127220	LCSC
12	1	2k	R12	RES-TH_BD2.3-L6.5-P10.50-D0.5	2k	MF1/4W-2K ±1% T	CCO( )	C119330	LCSC
13	8	1k	R13,R14,R15,R16,R17,R18,R27,R28	RES-TH_BD2.7-L6.2-P10.20-D0.4	1k	MF1/4W-1K±1%-ST52	VO( )	C2903245	LCSC
14	6	TS665CJ	SW1,SW2,SW3,SW5,SW6,SW7	SW-TH_4P-L6.0-W6.0-P4.50-LS6.5		TS665CJ	SHOUHAN( )	C393938	LCSC
15	1	SS12D07VG4 087	SW4	SW-TH_SS12D07VG4		SS12D07VG4 087	SHOUHAN( )	C2939726	LCSC
16	1	DS18B20	U1	TO-92-3_L4.5-W3.5-P1.27-L		DS18B20	HXY MOSFET( )	C5451632	LCSC

17	1	STC89C52RC-40I-PDIP40	U2	DIP-40_L52.0-W13.7-P2.54-LS15.2-BL		STC89C52RC-40I-PDIP40	STC	C14022	LCSC
18	2	10uF	U3,U4	CAP-TH_L5.5-W3.8-P5.08-D0.5	10uF	CD1H106KC9IER2F100	Dersonic( )	C2761740	LCSC
19	1	UKDBBTAAA	USB1	USB-C-SMD		UKDBBTAAA	SAMZO( )	C29780875	LCSC
20	1	12MHz	X1	HC-49US_L11.5-W4.5-P4.88	12MHz	X49SD12MSD2SC	YXC( )	C16369	LCSC