

NN	Proc	Qty	Part Number	Part Reference	Value	Toler	TC	Volt.	Pkg. Type	Description	Manufacturer
1	SMT	2		C1,C2	22 pF	20%		50V	0603	Ceramic Capacitor	Murata
2	SMT	1		C3	1 nF	20%		50V	0603	Ceramic Capacitor	Murata
3	SMT	2		C4,C7	100 nF	20%		50V	0603	Ceramic Capacitor	Murata
4	SMT	2		C5,C6	220 nF	20%		50V	1206	Ceramic Capacitor	Murata
5	SMT	2		R1,R4	330	5%		50V	0603	SMD Resistor	Murata
6	SMT	4		R2,R11,R14,R15	100	5%		50V	0603	SMD Resistor	Murata
7	SMT	1		R3	220	5%		50V	0603	SMD Resistor	Murata
8	SMT	2		R5,R7	33 k	5%		50V	0603	SMD Resistor	Murata
9	SMT	3		R6,R9,R19	4,7 k	5%		50V	0603	SMD Resistor	Murata
10	SMT	1		R8	1,5 k	5%		50V	0603	SMD Resistor	Murata
11	SMT	1		R10	15 k	5%		50V	0603	SMD Resistor	Murata
12	SMT	1		R12	39	5%		50V	0603	SMD Resistor	Murata
13	SMT	2		R13,R16	150	5%		50V	0603	SMD Resistor	Murata
14	SMT	1		R20	110 k	1%		50V	0603	SMD Resistor	Murata
15	SMT	1		R21	2,7 k	1%		50V	0603	SMD Resistor	Murata
20	SMT	4	LL4148	D5,D6,D7,D8					SOD-80	Small Signal Diode	General Semiconductors
21	SMT	1	BZV55C4V7	D9	4,7 V	5%			SOD-80	Glass Silicone Zener Diode	China
22	SMT	1	BZV55C4V3	D11	4,3 V	5%			SOD-80	Glass Silicone Zener Diode	China
23	SMT	1	BZV55C15	D10	15 V	5%			SOD-80	Glass Silicone Zener Diode	China
23	SMT	1	MBR0540T1G	D12	0,5A			40V	SOD-123	Shottky Power Rectifier	ON
24	SMT	3	BC-807.215	Q1,Q2,Q3,Q5						Bipolar PNP Transistor	NXP
25	SMT	3	BC-817.215	Q4						Bipolar NPN Transistor	NXP
26	SMT	1	HC-49SM	XX1	12 MHz					Quartz Resonator	Fronter Electronics
27	SMT	1	TD-02XBY-A00	RST						SMD Switch	
28	SMT	1	NLCV32T-220K-EF	L1	22uH	10%			1210	Inductor	TDK

29	SMT	1	MOCD207M	OK1					SO-8	8-pin SOIC Dual-Channel Output Optocoupler	Fairchild
30	DIP	1	DS1023-1*13S01	X1						Female Header Pitch 2.54 mm	Connfly Electronic
31	DIP	1	DG141R-2.54-04P-14-00AH	X2						4 pin Spring Clamp	Degson Electronics
32	SMD	1	PJ-327F	X3						3.5 mm Audio Jack	Shenzhen Atom Technology
33	DIP	1	DS-1031-6-2*3P8BV413A	X4						1.27 mm Pitch Pin Header Dual Row Stright	Connfly Electronic
34	DIP	1	DS1065-14-2*3S8BR	X6						Female Header Pitch 1.27 mm R/A Type	Connfly Electronic
35	DIP	1	DS1021-2SF11-B	JP1						Pin Header Pitch 2.54 mm V/T Type	Connfly Electronic
36	SMT	1	CH340G	DD1					SO-16	USB to UART Interface	DreamCity Innovations
37	SMT	1	MT3608	DD2					SOT23-6	2A High Efficiency 1.2MHz Current Mode Step-Up Converter	Aerosemi
38	SMT	1	PIC16F88	DD3					SO-18	18-Pin Enhanced FLSH Microcontroller with nano Watt Technology	Microchip
39	SMT	1	APT1608SYCK (orange)	LED_A					0603	Surface Mount Led Lamp	Kingbright
40	SMT	2	APT1608CGCK (green)	LED_B, LED_C					0603	Surface Mount Led Lamp	Kingbright
41	SMT	1	APT1608EC (red)	LED_D					0603	Surface Mount Led Lamp	Kingbright