

Item	Quantity	Reference	Part	Description	MPN
1	1	CR1	LA CP7P	OPTO, LED, 2.6V, 0.35A, SMD	LA CP7P
2	1	CR2	LD CP7P	OPTO, LED, 3.7V, 0.35A, SMD	LD CP7P
3	1	CR3	LT CP7P	OPTO, LED, 3.5V, 0.35A, SMD	LT CP7P
4	1	CR4	LUW CP7P	OPTO, LED, 3.75V, 0.35A, SMD	LUW CP7P
5	1	C3	1uF	CAPACITORS, CERAMIC, 1uF, 15%, X5R, 10V, 0603, SMD	GRM188R61A105KA61D
6	1	C4	DNM	CAPACITOR, DO NOT MOUNT, 0603, SMD	
7	2	C21,C31	47pF	CAPACITOR, CERAMIC, 47pF, 5%, COG, 50V, 0402, SMD	GRM1555C1H47J0Z01D
8	2	C41,C42	4.7uF	CAPACITOR, CERAMIC X5R, 4.7uF, 6.3V, -10%/+10%, -55DEGC/+85DEGC, 0603, SMD	GRM188R60J475KE19D
9	4	C101,C241,C271,C311	100nF	CAPACITOR, CERAMIC X7R, 100nF, 6.3V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	GRM155R70J104KA01D
10	3	C211,C391,C401	1uF	CAPACITOR, CERAMIC X5R, 1uF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	GRM155R61A105KE15D
11	2	C221,C231	15pF	CAPACITOR, CERAMIC COG/NPO, 15pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H150JA01D
12	2	C251,C261	1.5pF	CAPACITOR, CERAMIC COG/NPO, 1.5pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H1R5CA01D
13	1	C272	220pF	CAPACITOR, CERAMIC COG/NPO, 220pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H221JA01D
14	1	C392	22pF	CAPACITOR, CERAMIC COG/NPO, 22pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H220JA01D
15	1	C393	10uF	CAPACITOR, CERAMIC X5R, 10uF, 6.3V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD	GRM188R60J106ME47D
16	2	C394,C395	18pF	CAPACITOR, CERAMIC COG/NPO, 18pF, 50V, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H180JA01D
17	2	C402,C403	2.2pF	CAPACITOR, CERAMIC COG/NPO, 2.2pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	GRM1555C1H2R2CA01D
19	1	J2	1981568-1	CONNECTOR, USB-B, 5 PINS, PITCH 0.65mm, SMD	1981568-1
21	1	L251	3.9nH	INDUCTOR, CHIP, 3.9nH, -0.3nH/+0.3nH, 0.3A, -55DEGC/+125DEGC, 0402, SMD	LQG15HS3N9S02D
22	1	L262	2.2uH	INDUCTOR, CHIP, 2.2uH, -20%/+20%, 1A, -55DEGC/+125DEGC, 1008, SMD	LQM2HPN2R2MJ0L
23	3	L263,L264,L265	22nH	INDUCTOR, STANDARD, CHIP, 22nH, -5%/+5%, 0.3A, -55DEGC/+125DEGC, 0402, SMD	LQG15HS22N02D
27	1	P1	FTSH-105-01-F-DV-K	CONNECTOR, HEADER, MALE, STRAIGHT, 10 PINS, 2 ROWS, PITCH 1.27mm, SMD	FTSH-105-01-F-DV-K
28	4	Q1,Q2,Q3,Q4	BC817-16	TRANSISTOR, BIPOLAR NPN, 45V, 0.5A, 0.25W, SOT23-3, SMD	BC817-16,215
29	1	R1	560	RESISTOR, THICK FILM, 560, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_560_+/-5%_50V_0.063W_M_+/-200PPM
30	3	R2,R3,R4	1k	RESISTOR, THICK FILM, 1k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_1k_+/-5%_50V_0.063W_M_+/-200PPM
31	1	R5	DNM	RESISTOR, DO NOT MOUNT, 0402, SMD	
32	2	R21,R31	33	RESISTOR, THICK FILM, 33, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RK73H1ETTP33R0F
33	4	R32,R74,R75,R78	1.5k	RESISTOR, THICK FILM, 1.5k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RK73H1ETTP1501F
34	1	R41	2	RESISTOR, THICK FILM, 2, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RK73H1ETTP2R00F
35	1	R45	820k	RESISTOR, THICK FILM, 820k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_820k_+/-1%_50V_0.063W_M_+/-100PPM
36	1	R46	160k	RESISTOR, THICK FILM, 160k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_160k_+/-5%_50V_0.063W_M_+/-200PPM
37	1	R64	2.7	RESISTOR, THICK FILM, 2.7, -5%/+5%, 0.25W, 200V, -55DEGC/+155DEGC, 1206, SMD	RESISTOR_1206_2.7_+/-5%_200V_0.25W_M_+/-200PPM
38	3	R65,R66,R67	1	RESISTOR, THICK FILM, 1, -5%/+5%, 0.25W, 200V, -55DEGC/+155DEGC, 1206, SMD	RESISTOR_1206_1_+/-5%_200V_0.25W_M_+/-200PPM
39	2	R68,R76	DNM	RESISTOR, DO NOT MOUNT, 0402, SMD	DNM
40	1	R69	56k	RESISTOR, THICK FILM, 56k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_56k_+/-1%_50V_0.063W_M_+/-100PPM
41	1	R70	6.8k	RESISTOR, THICK FILM, 6.8k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_6.8k_+/-5%_50V_0.063W_M_+/-200PPM
42	3	R71,R72,R73	1.2k	RESISTOR, THICK FILM, 1.2k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_1.2k_+/-5%_50V_0.063W_M_+/-200PPM
43	1	SW1	1188E-1W2-V	SWITCH, TACT, 0.05A@250VAC, 0.05A@12VDC, 0.05A, 250V, PTH	1188E-1W2-V
45	1	U1	CC2531	IC, ANALOG, A USB ENABLED SYSTEM ON CHIP SOLUTION FOR 2.4 GHz IEEE 802.15.4 AND ZigBee APPLICATIONS, 2V TO 3.6V, VQFN40	CC2531F256RHAR
46	1	U3	TPS76933	IC, ANALOG, ULTRALOW-POWER LINEAR REGULATORS, VIN:3.2V TO 10V, VOUT: 3.3V, SOT23-5, SMD	TPS76933DBVT
47	1	U4	TPS62290	IC, ANALOG, 1A STEP DOWN CONVERTER, VIN;2.3V TO 6V, VOUT; ADJ 0.6V TO 6V, SON6, SMD	TPS62290DRVT
48	1	Y1	32MHz	CRYSTAL, OSCILATOR, 32MHz, 12pF, -10PPM/+10PPM, -40DEGC/+85DEGC, SMD	NX2016SA32MHzEXS00A-C504859 from NDK
49	1	Y3	32.768kHz	CRYSTAL, RESONATOR, 32.768kHz, -20PPM/+20PPM, -40DEGC/+85DEGC, SMD	EXS00A-MU00301_32.768kHz_NX3215SA from NDK