

Item	Qty	DNI	Ref Des	Description	Value	PCB Footprint	Manf	Manf P/N
1	1		CON1	SMA SMT Connector	1-pin Conn W/2 Pads	CON-JHN-1420711201	JOHNSON COMPONENTS	142-0711-201
2	2		CON3,CON4	3.5mm Stereo Jack	3-pin Audio Jack	CON-CUI-SJ-3523-SMT	CUI	SJ-3523-SMT
3	1		CON6	1.25mm Connector	2-pin Connector	CON-MOL-53398-0271	MOLEX	53398-0271
4	1		CON7	Mini-USB Type AB	9-pin Connector	CON-JAE-DX3R005HN2	JAE ELECTRONICS	DX3R005HN2E700
5	2		C1,C6	Cap, Cer, X5R, 10uF, 6.3V, 10%, 0805	10uF	CAP-0805	MURATA	GRM21BR60J106KE19L
6	5		C2,C14,C29,C32,C53	Cap, Cer, C0G, 15pF, 50V, 5%, 0402	15pF	CAP-0402	MURATA	GRM1555C1H150JZ01D
7	7		C3,C5,C8,C13,C48,C50,C67	Cap, Cer, X5R, 2.2uF, 6.3V, 20%, 0402	2.2uF	CAP-0402	MURATA	GRM155R60J225ME15D
8	4		C4,C9,C11,C23	Cap, Cer, X7R, 10nF, 25V, 10%, 0402	10nF	CAP-0402	MURATA	GRM155R71E103KA01D
9	1		C10	Cap, Cer, X5R, 4.7uF, 6.3V, 10%, 0603	4.7uF	CAP-0603	MURATA	GRM188R60J475KE19D
10	10		C12,C22,C24,C25,C41,C42,C43,C47,C49,C66	Cap, Cer, X5R, 1uF, 6.3V, 10%, 0402	1uF	CAP-0402	MURATA	GRM155R60J105KE19D
11	1		C15	Cap, Cer, C0G, 12pF, 50V, 5%, 0402	12pF	CAP-0402	MURATA	GRM1555C1H120JZ01D
12	1		C16	Cap, Cer, C0G, 22pF, 50V, 5%, 0402	22pF	CAP-0402	MURATA	GRM1555C1H220JZ01D
13	2	DNI	C17,C30	Cap, Cer, X5R, 1uF, 6.3V, 10%, 0402	1uF	CAP-0402	MURATA	GRM155R60J105KE19D
14	2	DNI	C18,C19	Cap, Cer, X5R, 220nF, 10V, 10%, 0402	220nF	CAP-0402	MURATA	GRM155R61A224KE19D
15	1		C20	Cap, Cer, X7R, 22nF, 16V, 10%, 0402	22nF	CAP-0402	MURATA	GRM155R71C223KA01D
16	1		C21	Cap, Cer, X7R, 47nF, 25V, 10%, 0402	47nF	CAP-0402	MURATA	GRM155R71E473KA88D
17	9		C26,C45,C51,C60,C62,C63,C65,C68,C69	Cap, Cer, X7R, 0.1uF, 16V, 10%, 0402	0.1uF	CAP-0402	MURATA	GRM155R71C104KA88D
18	1	DNI	C27	Cap, Cer, X7R, 0.1uF, 16V, 10%, 0402	0.1uF	CAP-0402	MURATA	GRM155R71C104KA88D
19	2		C28,C31	Cap, Tant, 220uF, 6.3V, 10%, 6032-28	220uF	PCAP-6032-28	AVX	TAJC227K006R
20	7		C33,C37,C38,C39,C44,C46,C52	Cap, Cer, C0G, 33pF, 50V, 5%, 0402	33pF	CAP-0402	MURATA	GRM1555C1H330JZ01D
21	2		C61,C64	Cap, Cer, X5R, 0.47uF, 10V, 10%, 0402	0.47uF	CAP-0402	MURATA	GRM155R61A474KE15D
22	1		FLT1	USB Protection	ESD Protection Device	BGA-11-1P96X1P33-P5	SEMTECH	ECLAMP2343C
23	1		J1	1x8 0.50" Header	8-pin Header	TH-HDR-SUL-LPPB081	SULLINS	LPPB081NGCN-RC
24	2	DNI	J7,J8	1x2 Header	2-pin Connector	CON-SAM-TSM-102-01-X-SV	SAMTEC	TSM-102-01-S-SV
25	1		LED1	Red Clear LED	RED CLR	LED-0603	KINGBRIGHT	APT1608SURCK
26	1		LED2	Blue Clear LED	BLUE CLR	LED-0603	KINGBRIGHT	APT1608PBC/A
27	1		LED3	Green Clear LED	GRN CLR	LED-0603	KINGBRIGHT	APT1608MGC
28	3		L1,L5,L6	15nH, 100MHz, 460mA, 5%	15nH	IND-0402	MURATA	LQW15AN15NJ00D
29	1		L2	22uH, 20%	22uH	IND-2-1P8X2P5-2P0	TAIYO YUDEN	LBC2518T220M
30	1		Q3	NPN, 45V, 100mA	45V, 100mA	SOT-323	ON SEMICONDUCTOR	BC847BWT1G
31	11	DNI	R20,R21,R35,R48,R90,R92,R98,R99,R100,R101,R0	Res, Thick Film, 0.0 Ohm, 5%, 0402	0	RES-0402	YAGEO	RC0402JR-070RL
32	3		R1,R2,R3	Res, Thick Film, 2.2 Ohm, 5%, 0402	2.2	RES-0402	YAGEO	RC0402JR-072R2L
33	2		R4,R6	Res, Thick Film, 470 Ohm, 5%, 0402	470	RES-0402	YAGEO	RC0402JR-07470RL
34	9		R7,R8,R9,R10,R16,R17,R19,R43,R94	Res, Thick Film, 10K Ohm, 5%, 0402	10K	RES-0402	YAGEO	RC0402JR-0710KL
35	5		R18,R91,R93,R96,R97	Res, Thick Film, 0.0 Ohm, 5%, 0402	0	RES-0402	YAGEO	RC0402JR-070RL
36	4	DNI	R24,R34,R36,R37	Res, Thick Film, 22K Ohm, 1%, 0402	22K	RES-0402	YAGEO	RC0402FR-0722KL
37	2		R25,R28	Res, Thick Film, 1M Ohm, 5%, 0402	1M	RES-0402	YAGEO	RC0402JR-071ML
38	1		R27	Res, Thick Film, 2.2K Ohm, 1%, 0402	2.2K	RES-0402	YAGEO	RC0402FR-072K2L
39	1	DNI	R30	Res, Thick Film, 2.2K Ohm, 5%, 0402	2.2K	RES-0402	YAGEO	RC0402JR-072K2L
40	2	DNI	R31,R32	Res, Thick Film, 4.7K Ohm, 5%, 0402	4.7K	RES-0402	YAGEO	RC0402JR-074K7L
41	1	DNI	R33	Res, Thick Film, 1M Ohm, 5%, 0402	1M	RES-0402	YAGEO	RC0402JR-071ML
42	3		R38,R39,R44	Res, Thick Film, 100K Ohm, 5%, 0402	100K	RES-0402	YAGEO	RC0402JR-07100KL
43	4		R40,R52,R53,R58	Res, Thick Film, 43K Ohm, 1%, 0402	43K	RES-0402	YAGEO	RC0402FR-0743KL
44	4		R41,R47,R54,R57	Res, Thick Film, 22K Ohm, 1%, 0402	22K	RES-0402	YAGEO	RC0402FR-0722KL
45	1		R42	Res, Thick Film, 100 Ohm, 5%, 0402	100	RES-0402	YAGEO	RC0402JR-07100RL
46	1	DNI	R49	Res, Thick Film, 220K Ohm, 5%, 0402	220K	RES-0402	YAGEO	RC0402JR-07220KL
47	1	DNI	R50	Res, Thick Film, 120K Ohm, 1%, 0402	120K	RES-0402	YAGEO	RC0402FR-07120KL

48	2		R51,R55	Res, Thick Film, 39 Ohm, 5%, 0402	39	RES-0402	YAGEO	RC0402JR-0739RL
49	2		R56,R59	Res, Thick Film, 100K Ohm, 1%, 0402	100K	RES-0402	YAGEO	RC0402FR-07100KL
50	1		R95	Res, Thick Film, 4.7K Ohm, 5%, 0402	4.7K	RES-0402	YAGEO	RC0402JR-074K7L
51	2		SW1,SW2	Slide Switch SM	Slide Switch	SW-3-6P7X2P6	ITT_CANNON-C&K	PCM12SMTR
52	4		S1,S2,S3,S4	Switch Mom 160GF	Pushbutton Switch	SW-5-6P5X7P0-2P0-6P75	OMRON	B3SN-3112P
53	1		S10	Momentary Switch	SPST Switch	SW-2-4P5X3-4P05	E-SWITCH	TL1015AF160QG
54	21		TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP16,TP17,TP18,TP19,TP20,TP21	Test Point	Test Point	TP-040		
55	1		T1	2.45GHz Band Pass Filter	RF Filter	XFMR-8-2P0X1P25-P65	MURATA	LFB212G45BA1A220
56	2		U1,U2	Quickfilter QF1D512	QF1D512	VQFN-16-3X3-P5	QUICKFILTER	QF1D512
57	1		U3	Flash	FC BGA	TFBGA-48-8X6-P8	SST	SST39WF1601-90-4C-B3KE
58	1		U4	Stereo Headphone AMP	Stereo Headphone AMP	SO-8	ST MICRO	TS482IDT
59	1		U5	RF Switch	RF Switch	SC70-6	SKYWORKS	AS179-92
60	1	DNI	U6	Audio Power AMP	Audio Power AMP	FCBGA-9-1P45X1P45-P5	ON SEMICONDUCTOR	NCP4894FCT1G
61	1	DNI	U7	EEPROM	EEPROM	SO-8	ATMEL	AT24C64CN-SH-T
62	3		U8,U9,U11	3.3V Regulator	3.3V Regulator	SOT-23-5	TOREX	XC6219A332MR
63	1		U10	Blue Tooth BCMS	Blue Tooth BCMS	TFBGA-169-8X8-P5	CSR	BC57E687B-ITB-E4
64	1		U12	MicrocontrollerSupervisory Circuit	MCP130T-315-SOT23-3	SOT-23	MICROCHIP	MCP130T-315/TT
65	1		XT1	Cryatsl, 26MHz, 3.3V	26MHz, 3.3V	XTL-4-3P2X2P5-2P2-1P6	NDK	NX3225SA-26.000000MHZ

