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Bill Of Materials

Line #	Designator	Manufacturer Part Number	Quantity	Manufacturer
1	C1, C4, C8, C9, C50	C1608X5R1A106K080AC	5	TDK
2	C2, C3, C14	EMK107ABJ475KA-T	3	
3	C6	C1005X5R1E474K050BB	1	TDK
4	C7	CC0402KRX5R5BB105	1	YAGEO
5	C10, C15, C16, C27, C28, C29, C42, C49, C51	CC0402KRX7R7BB104	9	YAGEO
6	C12	04025A101JAT2A	1	
7	C13, C24, C25, C26, C40, C43, C45	C1608X7R1C105K080AC	7	
8	C17	GJM1555C1HR80WB01D	1	
9	C18, C19, C20, C21, C32, C33, C34, C36, C37, C38, C41	GJM1555C1H120GB01D	11	
10	C22, C30	C2012X5R1A336M125AC	2	
11	C23, C31, C35, C44	GRM1555C1H102JA01D	4	
12	C39	C1608X5R1A106K080AC	1	
13	C47, C48	CGA3E1X5R1C225K080AC	2	
14	D1, D2	APHD1608LZGCK	2	
15	E1	NN03-320	1	Fractus Antennas
16	FB1, FB2, FB3	BLM03AX800SN1D	3	Murata
17	J1	629105136821	1	Wurth Elektronik
18	J2	DF52-2S-0.8H(21)	1	
19	J3, J4	LSHM-120-02.5-L-DV-A-N-K-TR	2	Samtec
20	J5	DF52-6S-0.8H(21)	1	
21	L1, L2	DFE201612E-2R2M=P2	2	Murata Electronics
22	L3	L0603B100KDWFT	1	KEMET
23	L4	LQW15AN15NJ00D	1	
24	L5	LQG15HS3N9B02D	1	Murata
25	L8, L9, L10, L11	742792040	4	
26	L12	LQW18AN4N3G80D	1	
27	L13	LQW15AN3N3G80D	1	
28	P1, P2	GRPB031VWVN-RC	2	Sullins
29	PJ1	5051100892	1	
30	R1, R5, R6, R8, R9, R10, R11, R13	ERJ-2BWFR100X	8	
31	R2, R19, R20	CR0402-JW-105GLF	3	
32	R4	RC0402FR-07453KL	1	Yageo
33	R7	RMCF0402FT100K	1	Stackpole-Electronics-Inc.
34	R12	CRCW0402267KFKED	1	Vishay Dale
35	R14	RC0402FR-0711K5L	1	Yageo / Phycomp
36	R15, R34	RC0402JR-070RL	2	Yageo / Phycomp
37	R16, R17	TNPW040210K0BEED	2	Vishay
38	R18	CSRF0402FT10L0	1	
39	R23, R27	CPF0402B324RE1	2	TE Connectivity / AMP
40	R24, R25	CRCW04021M00FKED	2	
41	R26, R28	RC0402JR-0722RL	2	Yageo / Phycomp
42	R29	CRCW040247K0FKED	1	
43	R30	RC0603FR-07806RL	1	Yageo
44	R31	RC0603FR-071K82L	1	Yageo
45	R35, R39	CR0402-J/-000GLF	2	
46	R36	RC0603FR-0724K9L	1	Yageo
47	R37, R38	RC0603FR-072ML	2	YAGEO
48	SW1	5051100692	1	
49	U1	TLV62569PDRLR	1	Texas Instruments
50	U2	TPS62840YBGR	1	Texas Instruments
51	U3	BQ27441DRZT-G1B	1	Texas Instruments
52	U4	NRF52832-QFAA-R	1	Nordic Semiconductor
53	U5	MSP430FR5043IRGCT	1	
54	U6	XC8102AA01MR-G	1	
55	U7	OPA836IDBVT	1	Texas Instruments
56	U8	IIS2DHTR	1	STMicroelectronics
57	X1	ABS07AIG-32.768KHZ-9-1-T	1	
58	X2	FA-128 32.0000MF10Z-AJ3	1	
59	X3	FY0800018	1	Diodes
60	X4	ABS07-32.768KHZ-9-T	1	Abracon
61	Y1	AWSCR-8.00CV-T	1	



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Swiss Federal Institute of Technology Zurich

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