

Bill Of Materials			
Line #	Designator	Comment	Quantity
1	C1	100F, 25V	1
2	C2, C163, C157, C164, C168, C169	1uF, 10V	6
3	C3, C5, C7, C8, C12, C19, C20, C22, C23, C198, C180, C166, C167, C170, C171, C183, C186, C189	100pF, 50V	18
4	C4, C6, C9, C10, C11, C21, C87, C147, C148, C149, C155, C168, C158, C191, C165, C169, MN11, MN14	100nF, 16V	18
5	C13, C16, C24, C27	47pF, 50V	4
6	C14, C15, C25, C26, MN19, MN22	510pF	6
7	C17, C18, C28, C29	100F, 25V	4
8	C30, C32, C34, C36, C38, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C55, C58, C57, C59, C59, C80, C82, C94, C96, C87, C88, C89, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C89, C90, C103, C109, C113, C190, C118	1uF, 6.3V	54
9	C31, C33, C35, C37, C39, C54, C61, C63, C65, C194, C195	1nF, 10%	11
10	C88, C95, C102, C108, C112, C128, C137, C145, C175, C180, C184	100uF, 6.3V	11
11	C80, C91, C92, C93, C94, C97, C98, C99, C100, C101, C104, C105, C106, C107, C110, C111, C114, C115, C116, C117, C118, C119, C120, C121, C122, C130, C132, C134, C138, C139, C141, C143	100nF, 6.3V	32
12	C123, C165, C197, C150, C162, C163, C172, C174	100nF, 16V	8
13	C124, C126	100F, 5%	2
14	C128, C131, C133, C135, C138, C146	1uF, 6.3V	6
15	C140, C142, C144	100F, 50V	3
16	C151	180F, 16V	1
17	C152, C154	47pF	2
18	C173, C176, C179, C185, C187, C188	4.7uF, 6.3V	6
19	C176, C177, C181, C182	22uF, 10V	4
20	C181, C192	4700F, 50V	2
21	ESD1, ESD2	ESD8472	2
22	ESD3	ESD0198	1
23	FL1	Fducial	1
24	FR1, FR2, FR3, FR4, FR5, FR6, FR7, FR8, FR9, FR10, FR16, FR18, FR17, FR18, FR19, FR23, FR24, FR25, FR26, FR27, FR28, FR29, FR30, FR31, FR32, FR33, FR36, FR37, FR38, FR39, FR40, FR41, FR42, FR43, FR44, FR45	600R, 0.27A	36
25	FR11, FR13, FR14, FR21, FR22, FR24, FR35	220R, 0.8A	7
26	FR12, FR20	600R, 2A	2
27	IC1	LM8502M	1
28	IC2, IC10	M24128	2
29	IC3, IC4	SKY13411-37ALF	2
30	IC5	TOMTE8AU188C6	1
31	IC6	F1601Q	1
32	IC7	LMK00105	1
33	IC8	LM75	1
34	IC9	DAG25111DCKR	1
35	IC11	VIZ25045WAVE	1
36	IC11A	MX25U1635EM11	1
37	IC12, IC13	LM210501	2
38	IC14, IC15, IC16	LD99100PUR	3
39	J1, J2	SMA board edge	2
40	J3	FPGA, JTAG (board edge)	1
41	J4	FPGA, JTAG	1
42	J5	FPGA QP10	1
43	J6	FPGA, QP10 (board edge)	1
44	J7	USB3.0, MALE	1
45	J8, J9	U.F.L/MCMX	2
46	J10	FAN	1
47	LED1	LED, RG, SMD	1
48	LED2	LED, RG, angle	1
49	MECH1, MECH2, MECH3, MECH4, MECH6, MECH8, MECH9, MECH10, MECH11, MECH12, MECH13, MECH14	RFI Shield clip	12
50	MECH5, MECH7, MECH15	RFI Shield	3
51	MN1, MN2, MN20	8.2uH, 5%	3
52	MN3, MN6	9.5uF	2
53	MN4, MN12, MN17	1pF	3
54	MN5, MN16	0.5pF	2
55	MN7, MN8, MN23, MN24	100uH	4
56	MN9, MN10, R14, R15, R20, R21, R40, R41, R42, R43, R44, R81, R85, R77, R79	0R	15
57	MN13, MN15, MN18	2pF	3
58	MN21	1.2pF	1
59	R1, R2, R3, R4, R5, R10, R11, R24, R35, R36, R37, R38, R45, R46, R47, R48, R49, R51, R53, R54, R55, R56, R58, R80, R89	10k, 1%	25
60	R6, R7, R8, R9, R23, R24, R83	49.9R, 1%	7
61	R12, R13	2k2, 1%	2
62	R16	500R, 1%	1
63	R17, R22, R25	100R, 1%	3
64	R18	2.49k, 1%	1
65	R19, R39, R64, R66	1k, 1%	4
66	R26, R27, R28, R29, R30, R31, R32, R37, R39, R62, R69, R71, R74, R80, R93, R94	0R	16
67	R32, R33, R91, R92	10R	4
68	R50, R81, R84	4k7, 1%	3
69	R56	14k, 1%	1
70	R60, R65, R95, R96	22R	4
71	R67	3k, 1%	1
72	R70, R72, R73, R75	100R, 1%	4
73	R76	118k, 1%	1
74	R78	187k, 1%	1
75	R82	15k, 1%	1
76	R83	62.5k, 1%	1
77	R86	6.2k, 1%	1
78	R87	15k, 1%	1
79	R88	7.5k, 1%	1
80	T1, T2, T3, T4	TC11113M45+	4
81	VT1, VT2, VT3	RF MOSFET	3
82	VT4	WLMK2241RHF	1
83	XO1	RTX5032A, 40MHz, w VC, w Filter	1
84	XT1	32MHz	1

