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Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Note	PackageReference
1	!PCB	1			Any	Printed Circuit Board	
2	C1 C3 C5 C7 C9 C11 C211 C214	8	.01uF	C1005X71E103K050BB	TDK CORP		0402
3	C2 C4 C6 C8 C10 C12 C212 C213 C252 C254 C256 C258	12	1000pF	C1005C0G1E102J050BA	TDK CORP		0402
4	C13-C24 C27-C42 C44 C45 C53-C55 C160 C161 C170-C172	38	.1uF	GRM033R61A104KE15D	MURATA		0201
5	C25 C26 C78 C113	4	.01uF	C0603X5R1A103K030BA	TDK		0201
6	C43 C116 C136	3	.01uF	06035C103JAT2A	AVX		0603
7	C46-C49 C60 C67 C68 C70-C73 C77 C79 C80 C82 C86 C88-C91 C99 C106 C112 C121 C122 C127 C133 C138 C146 C150 C152-C156 C162 C165 C166 C169 C176 C217-C220 C250 C253 C255 C257	44	.1uF	GRM155R71C104KA88D	MURATA		0402
8	C50 C57 C177-C181	7	1uF	C1005X5R1C105K050BC	TDK		0402
9	C51 C58	2	10uF	T520B106M016ATE100	KEMET	LOW ESR/OR EQUIVALENT	3528
10	C52 C59	6	.01uF	GRM155R71H103KA88D	MURATA		0402
11	C56 C61-C64	0	.01uF	GRM155R71H103KA88D_DNI	MURATA	DNI	0402
12	C65	1	.68uF	GRM155F50J684ZE01D	MURATA		0402
13	C66	1	3900pF	GRM155R71H392KA01D	MURATA		0402
14	C69	1	47pF	GRM1555C1H470FA01D	MURATA		0402
15	C74 C108	2	47uF	GRM31CR61A476ME15L	MURATA		1206
16	C75 C110 C130 C142	4	33uF	TPSB336K016R0350	AVX		TANT_B
17	C76 C109 C119 C123 C163	0	4.7uF	TAJB475K010RNJ_DNI	AVX	DNI	TANT_B
18	C81 C94	2	100pF	06031A101GAT2A	AVX CORP		0603
19	C83 C104 C105 C111 C126 C131 C143 C149 C182 C189 C262	11	10uF	GRM21BR61E106KA73L	MURATA		0805
20	C84	1	2200pF	GRM155R71E222KA01D	MURATA		0402
21	C85	1	10pF	GRM1555C1H100JA01D	MURATA		0402
22	C87	1	10uF	C1608X5R1C106M080AB	TDK		0603
23	C92 C175 C190-C193	0	.1uF	GRM155R71C104KA88D_DNI	MURATA	DNI	0402
24	C93 C95	0	47pF	GRM1555C1H470FA01D_DNI	MURATA	DNI	0402
25	C96 C97 C125	3	22uF	C3225X5R1A226M230AA	TDK		1210
26	C98 C107 C114 C128 C132 C139 C145 C147 C151	9	1uF	C1608X7R1E105K080AB	TDK		0603
27	C100-C102 C164 C173 C174	6	1uF	C1005X5R1C105K050BC	TDK		0402
28	C103	1	47uF	TPSB476K010R0250	AVX		TANT_B
29	C115	1	1.0uF	CC0603KRX7R7BB105	YAGEO		0603
30	C117	1	10uF	GRM21BR71A106KE51L	MURATA		0805
31	C118	1	10uF	GRM31CR61E106KA12L	MURATA		1206
32	C120 C124	2	.1uF	GRM188R71C104KA01D	MURATA		0603
33	C134 C137 C183-C185 C261	6	.47uF	0603YD474KAT2A	AVX		0603
34	C135	0	3300pF	06035C332KAT2A_DNI	AVX	DNI	0603
35	C140 C141 C201-C206 C265 C266	0	.1uF	GRM155R61A104KA01D_DNI	MURATA	DNI	0402
36	C144	1	3300pF	06035C332KAT2A	AVX		0603
37	C186	1	2.2uF	GRM188R71A225KE15D	MURATA		0603
38	C187 C188	2	0.1uF	0603YC104KAT2A	AVX		0603
39	C194 C224	2	1.8pF	GQM2195C2A1R8BB01D	MURATA		0805
40	C195 C230	2	5.1pF	GQM2195C2E5R1BB12D	MURATA		0805
41	C196 C229	2	6.8pF	GQM2195C2E6R8BB12D	MURATA		0805
42	C197 C225	2	8.2pF	GQM2195C2E8R2CB12D	MURATA		0805
43	C198 C227	2	9.1pF	GQM2195C2A9R1CB01D	MURATA		0805
44	C199 C228	2	10pF	GQM2195C2A100GB01D	MURATA		0805
45	C200 C226	2	12pF	GQM2195C2A120GB01D	MURATA		0805
46	C207 C208 C240 C241	4	9.1pF	251R14S9R1CV4T	JOHANSON TECHNOLOGY		0603
47	C209 C210 C234 C235	4	27pF	600S270FT	AMERICAN TECHNICAL CERAMICS		0603
48	C215 C216 C221 C222 C242 C243 C246 C247	0	24pF	GQM1885C1H240GB01D_DNI	MURATA	DNI	0603

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49	C223 C231	2	1000pF	C0603C102K3RACTU	KEMET		0603
50	C244 C245 C248 C249	4	12pF	600S120FT	AMERICAN TECHNICAL CERAMICS		0603
51	C259 C260	0	2.2pF	C0402C229C5GACTU_DNI	KEMET	DNI	0402
52	C263 C264	2	.1uF	GRM155R61A104KA01D	MURATA		0402
53	D1-D6	6	LED GREEN	LTST-C150KGKT	LITE ON		LED_1206
54	F1	0	FUSE 10A 63V FAST	1206SFF200F/63-2_DNI	TE Connectivity	DNI	1206
55	FB1-FB9 FB11 FB12 FB15-FB18	15	120 OHM @ 100MHz	BLM31PG121SN1L	MURATA		1206
56	FB10	1	1K OHM @ 100MHz	BLM41PG102SN1L	MURATA		1806
57	FB13 FB14	2	27uF	NFM31PC276B0J3	Murata		1206_BEAD_NFM31P
58	J1 J2	2	SMA, END LAUNCH, 75 OHM, FEMALE	MW-846-C-DDE-75	MILLIMETER WAVE TECHNOLOGIES		SMA_END_LAUNCH_MW-846-C-DDE-75
59	J6 J7 J12	3	CONN, SMA, JACK, 50 OHM, THVT	142-0701-201	Johnson Components		SMA_THVT_312x312
60	J10	0	CONN, SMP, PLUG, 50 OHM, THVT	0853050232_DNI	MOLEX INC.	DNI	smp_b120
61	J13	1	CONN, USB MINI AB, SMT	651305142821	WURTH ELEKTRONIK		CON_SMRT_USBMNE20_F
62	J14	1	CONN, JACK, PWR, MINI, R/A, TH	RAPC722X	SWITCHCRAFT		CON_RAPC722_JACK_THVT_3
63	J15	1	HDR, THVT, HI-TEMP, 5POS	HTSW-105-07-G-D	SAMTEC		HDR_THVT_2x5_100_M
64	J3	1	CON, SMVT, HS, FIELD ARRAY, 400POS, MALE	SEAM-40-02.0-S-10-2-A-K-TR	SAMTEC		CON_SMVT_40x10_SEAM
65	JP1 JP6 JP9 JP10	4	HDR, THVT, 2POS	HTSW-102-08-G-S	SAMTEC		HDR_THVT_1X2_100_M
66	JP2	1	HDR, THVT, 2POS	HTSW-102-08-G-S	SAMTEC	SHUNT 1-2	HDR_THVT_1X2_100_M
67	JP3 JP7 JP8	3	HDR, THVT, 3POS	HTSW-103-07-G-S	SAMTEC	SHUNT 2-3	HDR_THVT_1X3_100_M
68	L1	1	1.5uH	MSS1048-152NL	COILCRAFT		IND_SM_MSS1048
69	L2 L14	2	68nH	0805CS-680XGLB	COILCRAFT		IND_0805
70	L3 L15		39nH	0805HQ-39NXGLB	COILCRAFT		IND_0805
71	L5 L16	4	36nH	0805HQ-36NXGLB	COILCRAFT		IND_0805
72	L4 L7 L9 L11	4	33nH	0805CS-330XJLB	COILCRAFT		IND_0805
73	L6 L10 L12	3	47nH	0805CS-470XJLB	COILCRAFT		IND_0805
74	L8	1	47nH	0805CS-470XLJB	COILCRAFT		IND_0805
75	MT1-MT9	9	STANDOFF, FEMALE, 4-40 X 1 3/16", AL	1648-440-AL	RAF	STANDOFF	MFG125_PLATED
76	Q1	1	CSD17313Q2	CSD17313Q2	Texas Instruments		mosfet_8_2mmx2mm_0p65
77	R1 R3 R5 R7	4	30	RC1005F300CS	SAMSUNG		0402
78	R2 R10 R13	3	0	ERJ-3GEY0R00V	PANASONIC		0603
79	R4 R6 R11 R33 R37 R38	0	0	ERJ-3GEY0R00V_DNI	PANASONIC	DNI	0603
80	R8 R9 R15 R32	4	4.99	CRCW04024R99FKED	VISHAY		0402
81	R12 R14	0	49.9	ERJ-3EKF49R9V_DNI	PANASONIC	DNI	0603
82	R16 R17 R53 R54	4	300	ERJ-2RKF3000X	PANASONIC		0402
83	R18 R23 R41 R57 R110	5	1K	ERJ-2RKF1001X	PANASONIC		0402
84	R19 R35 R39 R48 R60 R61 R76 R84 R113 R135 R136 R157-R160	0	0	ERJ-2GE0R00X_DNI	PANASONIC	DNI	0402
85	R20 R36 R111 R134	4	10K	ERJ-2RKF1002X	PANASONIC		0402
86	R21 R40 R43 R44	4	240	ERJ-2RKF2400X	PANASONIC		0402
87	R22	1	10.5K	ERJ-2RKF1052X	PANASONIC		0402
88	R24	1	9.09K	ERJ-2RKF9091X	PANASONIC		0402
89	R25 R26	0	150	ERJ-2RKF1500X_DNI	PANASONIC	DNI	0402
90	R27 R59 R77 R100 R102	5	49.9	ERJ-2RKF49R9X	PANASONIC		0402
91	R28 R29 R55 R56	0	75	ERJ-2RKF75R0X_DNI	PANASONIC	DNI	0402
92	R30 R31 R45 R47 R49 R62 R72 R75 R83 R108 R109	11	0	ERJ-2GE0R00X	PANASONIC		0402
93	R34 R133	2	100	ERJ-1GEF1000C	PANASONIC		0201
94	R42 R46	2	5.6K	ERJ-2RKF5601X	PANASONIC		0402
95	R51	1	665K	ERJ-3EKF6653V	PANASONIC		0603
96	R52	1	7.68K	ERJ-3EKF7681V	PANASONIC		0603
97	R64	1	4.99K	ERJ-3EKF4991V	PANASONIC		0603
98	R65	1	620	ERJ-2GEJ621X	PANASONIC		0402
99	R66	1	39K	ERJ-2GEJ393X	PANASONIC		0402
100	R67-R70 R79 R80 R105 R106	0	240	ERJ-2RKF2400X_DNI	PANASONIC	DNI	0402
101	R71 R88 R95	3	100	ERJ-2RKF1000X	PANASONIC		0402
102	R73 R78	0	130	CRCW0603130RFKEA_DNI	DALE	DNI	0603
103	R74 R87	0	82	CRCW060382R0FKEA_DNI	DALE	DNI	0603
104	R81 R82 R85 R86 R91	5	750	CRCW0603750RFKEA	DALE		0603
105	R89 R90	2	150	ERJ-2RKF1500X	PANASONIC		0402
106	R93	1	2.1K	ERJ-2RKF2101X	PANASONIC		0402
107	R94	1	48.7K	ERJ-2RKF4871X	PANASONIC		0402
108	R96 R112 R114 R126 R130 R162	0	0	ERJ-3GEY0R00V_DNI	PANASONIC	DNI	0603
109	R103	1	100	ERJ-1GEJ101C	Panasonic		0201
110	R104	0	49.9	ERJ-2RKF49R9X_DNI	PANASONIC	DNI	0402

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111	R115 R118	2	100K	ERJ-3EKF1003V	PANASONIC		0603
112	R117	1	48.7K	ERJ-3EKF4872V	PANASONIC		0603
113	R123 R163	2	13.7K	ERJ-3EKF1372V	PANASONIC		0603
114	R124 R128 R164	3	10K	ERJ-3EKF1002V	PANASONIC		0603
115	R125 R129 R156 R161	4	0	ERJ-3GEY0R00V	PANASONIC		0603
116	SJP1	0	JUMPER_L_0603_SMT	DNI	DNI		JUMPER_SMD_L_0603
117	SJP2	0	JUMPER_L_0603_SMT	DNI	DNI	SHUNT 2-3	JUMPER_SMD_L_0603
118	SW1	1	SWITCH, SMT, PUSHBUTTON	EVQ-PNF04M	Panasonic		SW_SMVT_SPST_EVQPJX_2
119	T1 T2	2	1:2 FLUX COUPLED BALUN	MABA-011033	MACOM		RF_BALUN_168x150_1p27mm
120	T5	1	JTX-2-10TA+	JTX-2-10TA+	Mini-Circuits		TFMR_6_310x280_100_BH292
121	TP1 TP12 TP14-TP19 TP21-TP23	11	RED	5000	KEYSTONE		TESTPOINT_62DRILL_THM
122	TP2	1	GRN	5116	KEYSTONE		TP_THVT_100_RND
123	TP3-TP6 TP13 TP20	6	WHT	5002	KEYSTONE		TESTPOINT_62DRILL_THM
124	TP7-TP11	5	BLK	5001	KEYSTONE		TESTPOINT_62DRILL_THM
125	U1	1	ADS54J4X	ADS54J4XIRGC	TI		QFN_72_10MMX10MM_0P50MM_PWRPAD
126	U2 U9 U10	3	TPS7A8101	TPS7A8101DRBT	TI		SON_8_3MMX3MM_0P65MM
127	U4	1	SN65LVDS4	SN65LVDS4RSET	TI		QFN_10_81X61_RSE
128	U5	1	LMK04828	LMK04828BISQ/NOPB	TI		QFN_64_360X360_0P50MM_PWRPAD
129	U6 U11	2	TPS7A4700	TPS7A4700RGWT	Texas Instruments		QFN_20_199x199_0p65mm
130	U7	1	FT245RL	FT245RL-REEL	FTDI Chip		ssop_28_413x220_26
131	U8	1	TPS54319RTER	TPS54319RTER	TI		QFN_16_124x124_PWRPAD
132	U12	1	TPS2400	TPS2400DBVT	Texas Instruments		DBV5
133	U13	1	TPS73533	TPS73533DRBT	TI		SON_8_3MMX3MM_0P65MM
134	U14	1	SN65LVDS101DGK	SN65LVDS101DGK	Texas Instruments		PSOP_8_118x118_26_DGK
135	U15	1	LMH2832	LMH2832	Texas Instruments		PVQFN_40_242x242_0p5mm_RHA
136	U3	1	5M80ZT100	5M80ZT100C5N	ALTERA		tqfp_100_551x551_20
137	Y1	1	122.88MHz	CVHD-950-122.880	Crystek		VCXO_6_CUSTOM
138		1	BARE BOARD, TSW54J40	TSW54J40 REV A	VIASYSTEMS		
139		9	SCREW, 4-40 X 3/4", PHIL, SS	PMSSS 440 0075 PH	BUILDING FASTENERS	SCREW FOR STANDOFF	
140		4	SHUNT-HEADER	382811-8	TE CONNECTIVITY	SHUNT FOR HEADER	
141		1	SHUNT-JUMPER-0603	ERJ-3GEY0R00V	PANASONIC	SHUNT FOR JUMPER	

NOTES:

1. DNI - Do Not Install this component.
2. Use water soluble flux during board assembly.
3. Assembly must be RoHS compliant and lead free.
4. Install item 138:
 - JP2 PINS 1-2
 - JP3, JP7 & JP8 PINS 2-3
5. Install item 139:
 - SJP2 PINS 2-3

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