

Variant: 001  
 Generated: 5/16/2016 5:15:00 PM  
 TID#: TIDA-00814



TIDA-00814 REV D Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1,C6,C7,C12	0	.1uF	GRM188R71C104KA01D	MURATA	DNI	603
	C8,C9,C13,C14,C15,C16,C17,C18,C19,C20,C21,C22,C23,C24,C26,C27,C30,C31,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46,C47,C48,C49,C52,C53,C54,C55,C56,C57,C58,C59,C60,C67,C68,C69,C77,C83,C84,C85,C170,C171,C372,C373,C390,C391,C392,C393,C396,C397,C399,C401,C418,C419,C428,C429,C430						
2	C28	64	.1uF	GRM033R61A104KE15D	MURATA		201
3	C33,C61,C88,C94,C96,C102,C105,C157,C163,C188,C368,C369,C382,C388,C415,C416,C424,C427	1	.01uF	GRM155R71E103JA01J	MURATA		402
4	C50,C51	18	.1uF	GRM155R71C104KA88D	MURATA		402
5	C70	2	.01uF	C0603X5R1A103K030BA	TDK		201
6	C71	1	.68uF	C1005X7S0J684K050BC	TDK		402
7	C72	1	3900pF	0201ZD392KAT2A	AVX		201
8	C73,C74	1	47pF	GRM0335C1E470JA01D	MURATA		201
9	C75,C81,C82,C431,C432	2	.01uF	GRM033R71A103KA01D	MURATA		201
10	C78	0	.1uF	GRM033R61A104KE15D	MURATA	DNI	201
11	C79	1	100pF	C1005COG1H101J050BA	TDK		402
12	C80	1	2200pF	GRM155R71E222KA01D	Murata		402
13	C86	1	10pF	GRM1555C1H100JA01D	MURATA		402
14	C87,C90,C91,C92,C93,C98,C99,C122,C158,C166,C187,C191,C196,C378,C387,C389,C398,C400,C402,C404	1	12pF	C0603COG1H120J030BA	TDK		201
15	C89,C95	20	1uF	C1005X5R1A105K050BB	TDK		402
16	C97	2	0.01uF	GRM155R71H103KA88D	MURATA		402
17	C101	1	10uF	C1608X5R1A106K	TDK		603
18	C103,C104	0	4.7uF	TAJB475K010RNJ	AVX	DNI	TANT_B
19	C121,C183,C203	2	47pF	GRM1555C1H470FA01D	MURATA		402
20	C126	3	10uF	GRM21BR61E106KA73L	MURATA		805
21	C156,C161,C173,C186,C190,C195,C197,C377,C381,C386,C403,C405,C406,C407	1	2.2uF	GRM188R71A225KE15D	MURATA		603
22	C159,C189,C385	14	10uF	C1608X5R1A106K080AC	TDK		603
23	C160,C185,C194,C384	3	47uF	GRM31CR61A476ME15L	MURATA		1206
24	C162,C383	4	33uF	C2012X5R1A336M125AC	TDK		805
25	C172	2	.01uF	GRM033R71A103KA01D	Murata		201
26	C184,C204,C376	1	47uF	TPSB476K010R0250	AVX		TANT_B
27	C193	3	22uF	GRM31CR71A226KE15L	Murata		1206
28	C198	1	4.7uF	0603YD474KAT2A	AVX		603
29	C379	1	4.7uF	CL21B475KQFNNE	Samsung		805
30	C380	0	10uF	C1608X5R1A106K080AC	TDK	DNI	603
31	C394	0	.01uF	GRM155R71E103KA01D	Murata	DNI	201
32	C395	1	.047uF	GRM033R61C473KE84D	Murata		201
33	C408,C409,C410,C411,C412,C413	1	560pF	GRM033R71E561KA01D	MURATA		201
34	C414,C417,C425,C426	6	100pF	GRM0335C1E101JA01D	Murata		201
35	C420	0	.1uF	GRM155R71C104KA88D	MURATA	DNI	402
36	C421	0	6800pF	GRM033R71A682KA01D	Murata	DNI	201
37	D1,D2,D3,D4,D5,D6,D7	1	6800pF	GRM033R71A682KA01D	Murata		201
38	FB1	7	LED GREEN	LTST-C150KGKT	LITE ON		LED_1206
39	FB2,FB3,FB4,FB5,FB6,FB7,FB8,FB9,FB10,FB11	1	120 OHM @ 100MHz	BLM31PG121SN1L	MURATA		1206
40	FB12	10	120	BLM18AG121SN1D	MURATA		603
41	FB16,FB22	1	1K OHM @ 100MHz	BLM41PG102SN1L	MURATA		1806
42	FB17,FB19,FB20	2	120 OHM @ 100MHz	BLM31PG121SN1L	MURATA		1206
43	FB21	3	27uF	NFM31PC276B0J3	Murata		1206_BEAD_NFM31P
44	F1	1	120 OHM @ 100MHz	BLM31PG121SN1L	MURATA		1206
45	HS1	0	FUSE 10A 63V FAST	1206SFF200F/63-2	TE Connectivity	DNI	1206
46	JP1	1	COPPER PIN FIN HEAT SINK	4-0202050	COOL INNOVATIONS	ttom side of board, undernc	HEATSINK_270x270
47	JP2	1	HDR, THVT, 3POS	HTSW-103-07-G-S	SAMTEC	SHUNT 2-3	HDR_THVT_1X3_100_M
48	JP3	1	HEADER_1x2_100_430L	HMTSW-102-07-G-S-.240	SAMTEC		HDR_THVT_1x2_100_M
49	J1,J4	1	HDR, THVT, 3POS	HTSW-103-07-G-S	SAMTEC	SHUNT 1-2	HDR_THVT_1X3_100_M
50		0	SMA, JACK, END LAUNCH	142-0711-821	Johnson Components	DNI	SMA_SMEL_DUAL_PSF-S01_250x215

51	J2,J3	2	SMA, JACK, END LAUNCH	142-0711-821	Johnson Components		SMA_SMEL_DUAL_PSF-S01_250x215
52	J5	1	CONN, SMA, JACK, 50 OHM, EDGE MNT	142-0711-821	Johnson Components		SMA_SMEL_DUAL_PSF-S01_250x215
53	J7,J13,J14	3	SMA_THVT_REC	142-0701-201	Johnson Components		SMA_THVT_312x312
54	J10	1	CON, SMVT, HS, FIELD ARRAY, 400POS, MALE	SEAM-40-02.0-S-10-2-A-K-TR	SAMTEC		CON_SMVT_40X10_SEAM_MTG
55	J11	1	CONN, USB MINI AB, SMT	6.51305E+11	WURTH ELEKTRONIK		CON_SMRT_USBMNE20_F
56	J15	1	CONN, JACK, PWR, MINI, R/A, TH	RAPC722X	SWITCHCRAFT		CON_RAPC722_JACK_THVT_3
57	J16	1	SMP_PCB_SMT	853050232	MOLEX INC.		smp_b120
58	L1,L2,L3	3	.47uH	XFL4015-471MEB	Coilcraft		IND_SM_XFL4015
59	MT1,MT2	2	STANDOFF, FEMALE, 4-40 X 1 3/16", AL	1648-440-AL	RAF	STANDOFF	MFG125_PLATED
60	Q1	1	CSD18532Q5	CSD18532Q5B	TI		SON_Q5B_8
61	RSHN1,RSHN2,RSHN3,RSHN4	4	SHUNT RES	ERJ-2GEOR00X	Panasonic Electronic Components		
62	R1,R11,R13,R23	0		ERJ-3GEY0R00V	PANASONIC	DNI	603
63	R80	1	100	ERJ-1GEF1000C	PANASONIC		201
	R31,R89,R126,R138,R164,R165,R173,R						
64	R191	0	0	ERJ-2GEOR00X	PANASONIC	DNI	402
65	R32,R35,R188,R189	4	10K	ERJ-2RKF1002X	PANASONIC		402
66	R33,R133	2	1K	ERJ-2RKF1001X	PANASONIC		402
67	R34	0	1K	ERJ-2RKF1001X	PANASONIC	DNI	402
68	R26,R29,R40,R69,R70	0	100	ERJ-1GEJ101C	Panasonic	DNI	201
69	R47	1	39K	ERJ-1GEF3902C	PANASONIC		201
70	R48,R49,R65,R66,R75,R79,R182	7	0	ERJ-1GNOR00C	PANASONIC		201
71	R50,R51,R52,R53,R77,R78	0	240	ERJ-1GEF2400C	PANASONIC	DNI	201
72	R54	1	620	ERJ-1GEF6200C	PANASONIC		201
73	R55,R74,R187,R192	0	49.9	ERJ-1GEF49R9C	PANASONIC	DNI	201
74	R56,R95	0	0	ERJ-3GEY0R00V	PANASONIC	DNI	603
75	R57	1	18	ERJ-2RKF18ROX	PANASONIC		402
76	R58,R59	2	292	ERJ-2RKF2940X	PANASONIC		402
77	R60	1	100	ERJ-2RKF1000X	PANASONIC		402
78	R63,R64	2	120	ERJ-1GEF1200C	PANASONIC		201
79	R67,R68	0	200	ERJ-1GEF2000C	PANASONIC	DNI	201
80	R71,R76	0	130	ERJ-1GEF1300C	Panasonic	DNI	201
81	R72	0	100	ERJ-1GEF1000C	PANASONIC	DNI	201
82	R73,R81	0	82	ERJ-1GEF82R0C	Panasonic	DNI	201
83	R82	1	49.9	ERJ-1GEF49R9C	PANASONIC		201
84	R84,R85,R86,R87,R88	5	750	CRCW0603750RFKEA	DALE		603
	R96,R124,R125,R127,R139,R140,R141,						
85	R170,R171,R172,R184	11	0	ERJ-2GEOR00X	PANASONIC		402
86	R132	1	287K	ERJ-2RKF2873X	PANASONIC		402
87	R134,R147,R155	3	162K	ERJ-2RKF1623X	Panasonic		402
88	R136,R148,R153	3	1M	ERJ-2RKF1004X	Panasonic		402
89	R137	1	36.5K	ERJ-2RKF3652X	Panasonic		402
90	R143	1	2.4K	ERJ-2RKF2401X	PANASONIC		402
91	R145	1	4.75K	ERJ-2RKF4751X	PANASONIC		402
92	R146	1	82K	ERJ-2RKF8202X	PANASONIC		402
93	R151,R152,R180,R181	4	240	ERJ-1GEF2400C	PANASONIC		201
94	R154	1	124K	ERJ-2RKF1243X	PANASONIC		402
95	R157,R159	0	0	ERJ-6GEY0R00V	PANASONIC	DNI	805
96	R158	1	0	ERJ-6GEY0R00V	PANASONIC		805
97	R166,R167	0	182	ERJ-1GEF1820C	PANASONIC	DNI	201
98	R168,R169	0	68	ERJ-1GEF68R0C	PANASONIC	DNI	201
99	R174	1	150	ERJ-1GEJ151C	PANASONIC		201
100	R175,R176,R177,R178	4	49.9	ERJ-2RKF49R9X	PANASONIC		402
101	R179	1	680	ERJ-1GEF6800C	PANASONIC		201
102	R183	1	12	ERJ-1GEF12R0C	PANASONIC		201
103	R185	0	680	ERJ-1GEF6800C	PANASONIC	DNI	201
104	R186	1	12k	ERJ-2RKF1202X	PANASONIC		402
105	SJP1	0	SOLDER JUMPER, 0402	SMD PADS		DNI	SMD_JUMPER_L_0402
106	SJP2,SJP3,SJP4,SJP5	4	SOLDER JUMPER, 0402	SMD PADS		SHUNT 1-2	SMD_JUMPER_L_0402
107	SW1	1	SWITCH, SMT, PUSHBUTTON	EVO-PNF04M	Panasonic		SW_SMVT_SPST_EVQPJX_2
	TP2,TP4,TP12,TP20,TP22,TP26,TP28,TP						
108	30,TP34	9	RED	5000	KEYSTONE		TP_THVT_060_RND
109	TP3,TP7,TP25,TP32,TP33	5	YELLOW	5004	KEYSTONE		TP_THVT_060_RND
110	TP17	1	Testloop_Red	5010	Keystone		testpoint_62dia
111	TP18	1	Testloop_Black	5011	KEYSTONE		testpoint_62dia
112	TP19,TP21,TP27,TP29,TP31	5	BLK	5001	Keystone		TP_THVT_060_RND
113	T1,T2,T3,T4,T5	5	ETC1-1-13	ETC1-1-13	MACOM		TFMR_5_150x150_50
114	T6	1	TC1-1-13M+	TC1-1-13M+	Mini-Circuits		TFMR_5_150x150_50
115	U1	1	ADC32RF4X_72QFN	ADC32RF45IRMP	Texas Instruments		QFN_72_10MMX10MM_OP50MM_PWRPAD
116	U3	1	LMK04828	LMK04828BISQ	Texas Instruments		QFN_64_360X360_OP50MM_PWRPAD
117	U5	1	FT245RL	FT245RL-REEL	FTDI Chip		ssop_28_413x220_26
118	U11,U14,U18	3	TPS62085	TPS62085RLTR	Texas Instruments		QFN_RLT_7
119	U12,U31	2	TPS7A4700	TPS7A4700RGWT	Texas Instruments		QFN_20_199x199_Op65mm

120	U15	1	TPS2400	TPS2400DBVT	Texas Instruments		DBV5
121	U16	1	TPS7A7200	TPS7A7200RGWR	Texas Instruments		QFN_20_199x199_Op65mm
122	U17	1	TPS74201/QFN20	TPS74201RGWR	Texas Instruments		qfn20_rgw_p65pitch
123	U29	1	TXB0104	TXB0104PWR	Texas Instruments		TSSOP14
124	U30	1	LMX2592	LMX2592	Texas Instruments		qfn40_RTA_RTb_RHA
125	U32,U33	2	MASW_009444	MASW-009444	Macom		PDFN_6_p35mm
126	Y1	1	122.88MHz	CVHD-950-122.880	Crystek		VCXO_6_CUSTOM
127	Z_BOARD1	1	BARE BOARD, ADC32RFXX	ADC32RFXX			
128	Z_SCREW1,Z_SCREW2	2	SCREW, 4-40 X 3/4", PHIL, SS	PMSSS 440 0075 PH	BUILDING FASTENERS	SCREW FOR STANDOFF	
129	Z_SH-J1,Z_SH-J2	2	SHUNT-HEADER	382811-8	TE CONNECTIVITY	SHUNT FOR HEADER	

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