

TIDA-01016 ADC32RF45EVM Revision: D							
Item	Quantity	Reference	Part	Part Number	Manufacturer	Note	Foot Print
1	0	C1,C6,C7,C12	.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	.1uF	GRM033R61A104KE15D	MURATA		201
2	64	C430	.1uF	GRM033R61A104KE15D	MURATA		201
3	1	C28	.01uF	GRM155R71E103JA01J	MURATA		402
		C33,C61,C88,C94,C96,C102,C105,C157,C163,C188,C368,C369,C382,C388,C415,C416,C424,C427	.1uF	GRM155R71C104KA88D	MURATA		402
4	18	C33,C61,C88,C94,C96,C102,C105,C157,C163,C188,C368,C369,C382,C388,C415,C416,C424,C427	.1uF	GRM155R71C104KA88D	MURATA		402
5	2	C50,C51	.01uF	C0603X5R1A103K030BA	TDK		201
6	1	C70	.68uF	C1005X7S0J684K050BC	TDK		402
7	1	C71	3900pF	0201ZD392KAT2A	AVX		201
8	1	C72	47pF	GRM0335C1E470JA01D	MURATA		201
9	2	C73,C74	.01uF	GRM033R71A103KA01D	MURATA		201
10	0	C75,C81,C82,C431,C432	.1uF	GRM033R61A104KE15D	MURATA	DNI	201
11	1	C78	100pF	C1005C0G1H101J050BA	TDK		402
12	1	C79	2200pF	GRM155R71E222KA01D	Murata		402
13	1	C80	10pF	GRM1555C1H100JA01D	MURATA		402
14	1	C86	12pF	C0603C0G1E120G030BG	TDK		201
		C87,C90,C91,C92,C93,C98,C99,C122,C158,C166,C187,C191,C196,C378,C387,C389,C398,C400,C402,C404	1uF	C1005X5R1A105K050BB	TDK		402
15	20	C87,C90,C91,C92,C93,C98,C99,C122,C158,C166,C187,C191,C196,C378,C387,C389,C398,C400,C402,C404	1uF	C1005X5R1A105K050BB	TDK		402
16	2	C89,C95	0.01uF	GRM155R71H103KA88D	MURATA		402
17	1	C97	10uF	C1608X5R1A106K	TDK		603
18	0	C101	4.7uF	TAJB475K010RNJ	AVX	DNI	TANT_B
19	2	C103,C104	47pF	GRM1555C1H470FA01D	MURATA		402
20	3	C121,C183,C203	10uF	GRM21BR61E106KA73L	MURATA		805
21	1	C126	2.2uF	GRM188R71A225KE15D	MURATA		603
		C156,C161,C173,C186,C190,C195,C197,C377,C381,C386,C403,C405,C406,C407	10uF	C1608X5R1A106K080AC	TDK		603
22	14	C156,C161,C173,C186,C190,C195,C197,C377,C381,C386,C403,C405,C406,C407	10uF	C1608X5R1A106K080AC	TDK		603
23	3	C159,C189,C385	47uF	GRM31CR61A476ME15L	MURATA		1206
24	4	C160,C185,C194,C384	33uF	C2012X5R1A336M125AC	TDK		805
25	2	C162,C383	.01uF	GRM033R71A103KA01D	Murata		201
26	1	C172	47uF	TPSB476K010R0250	AVX		TANT_B
27	3	C184,C204,C376	22uF	GRM31CR71A226KE15L	Murata		1206
28	1	C193	.47uF	0603YD474KAT2A	AVX		603
29	1	C198	4.7uF	CL21B475KQFNNNE	Samsung		805
30	0	C379	10uF	C1608X5R1A106K080AC	TDK	DNI	603
31	0	C380	.01uF	GRM155R71E103KA01D	Murata	DNI	201
32	1	C394	.047uF	GRM033R61C473KE84D	Murata		201
33	1	C395	560pF	GRM033R71E561KA01D	MURATA		201

34	6	C408,C409,C410,C411,C412,C413	100pF	GRM0335C1E101JA01D	Murata		201
35	0	C414,C417,C425,C426	.1uF	GRM155R71C104KA88D	MURATA	DNI	402
36	0	C420	6800pF	GRM033R71A682KA01D	Murata	DNI	201
37	1	C421	6800pF	GRM033R71A682KA01D	Murata		201
38	7	D1,D2,D3,D4,D5,D6,D7	LED GREEN	LTST-C150KGKT	LITE ON		LED_1206
39	1	FB1	120 OHM @ 100MHz	BLM31PG121SN1L	MURATA		1206
40	10	FB2,FB3,FB4,FB5,FB6,FB7,FB8,FB9,FB10,FB11	120	BLM18AG121SN1D	MURATA		603
41	1	FB12	1K OHM @ 100MHz	BLM41PG102SN1L	MURATA		1806
42	2	FB16,FB22	120 OHM @ 100MHz	BLM31PG121SN1L	MURATA		1206
43	3	FB17,FB19,FB20	27uF	NFM31PC276B0J3	Murata		1206_BEAD_NFM31P
44	1	FB21	120 OHM @ 100MHz	BLM31PG121SN1L	MURATA		1206
45	0	F1	FUSE 10A 63V FAST	1206SFF200F/63-2	TE Connectivity	DNI	1206
<b>46</b>	<b>1</b>	<b>HS1</b>	<b>ER PIN FIN HEAT</b>	<b>4-020205U</b>	<b>COOL INNOVATIONS</b>	<b>Solder on bottom side of board, underneath the ADC</b>	<b>HEATSINK_270x270</b>
47	1	JP1	HDR, THVT, 3POS	HTSW-103-07-G-S	SAMTEC	SHUNT 2-3	HDR_THVT_1X3_100_M
48	1	JP2	EADER 1x2 100 43	HMTSW-102-07-G-S-.240	SAMTEC	OPEN	HDR_THVT_1x2_100_M
49	1	JP3	HDR, THVT, 3POS	HTSW-103-07-G-S	SAMTEC	SHUNT 1-2	HDR_THVT_1X3_100_M
50	0	J1,J4	IA, JACK, END LAUN	142-0711-821	Johnson Components	DNI	SMA_SMEL_DUAL_PSF-S01_250x215
51	2	J2,J3	IA, JACK, END LAUN	142-0711-821	Johnson Components		SMA_SMEL_DUAL_PSF-S01_250x215
52	1	J5	IA, JACK, 50 OHM, E	142-0711-821	Johnson Components		SMA_SMEL_DUAL_PSF-S01_250x215
53	3	J7,J13,J14	SMA THVT REC	142-0701-201	Johnson Components		SMA_THVT_312x312
54	1	J10	HS, FIELD ARRAY, 4	SEAM-40-02.0-S-10-2-A-K-TR	SAMTEC		CON_SMVT_40X10_SEAM_MTG
55	1	J11	NN, USB MINI AB, S	651305142821	WURTH ELEKTRONIK		CON_SMRT_USBMNE20_F
56	1	J15	JACK, PWR, MINI, F	RAPC722X	SWITCHCRAFT		CON_RAPC722_JACK_THVT_3
57	1	J16	SMP PCB SMT	853050232	MOLEX INC.		smp_b120
58	3	L1,L2,L3	.47uH	XFL4015-471MEB	Coilcraft		IND_SM_XFL4015
59	2	MT1,MT2	F, FEMALE, 4-40 X 1	1648-440-AL	RAF	STANDOFF	MFG125_PLATED
60	1	Q1	CSD18532Q5	CSD18532Q5B	TI		SON_Q5B_8
61	4	RSHN1,RSHN2,RSHN3,RSHN4	SHUNT RES	ERJ-2GE0R00X	Panasonic Electronic Components		
62	0	R1,R11,R13,R23	0	ERJ-3GEY0R00V	PANASONIC	DNI	603
63	1	R80	100	ERJ-1GEF1000C	PANASONIC		201
64	0	R31,R89,R126,R138,R164,R165,R173,R191	0	ERJ-2GE0R00X	PANASONIC	DNI	402
65	4	R32,R35,R188,R189	10K	ERJ-2RKF1002X	PANASONIC		402
66	2	R33,R133	1K	ERJ-2RKF1001X	PANASONIC		402
67	0	R34	1K	ERJ-2RKF1001X	PANASONIC	DNI	402
68	0	R26,R29,R40,R69,R70	100	ERJ-1GEJ101C	Panasonic	DNI	201
69	1	R47	39K	ERJ-1GEF3902C	PANASONIC		201
70	7	R48,R49,R65,R66,R75,R79,R182	0	ERJ-1GN0R00C	PANASONIC		201
71	0	R50,R51,R52,R53,R77,R78	240	ERJ-1GEF2400C	PANASONIC	DNI	201
72	1	R54	620	ERJ-1GEF6200C	PANASONIC		201
73	0	R55,R74,R187,R192	49.9	ERJ-1GEF49R9C	PANASONIC	DNI	201
74	0	R56,R95	0	ERJ-3GEY0R00V	PANASONIC	DNI	603
75	1	R57	18	ERJ-2RKF18R0X	PANASONIC		402
76	2	R58,R59	292	ERJ-2RKF2940X	PANASONIC		402
77	1	R60	100	ERJ-2RKF1000X	PANASONIC		402
78	2	R63,R64	120	ERJ-1GEF1200C	PANASONIC		201
79	0	R67,R68	200	ERJ-1GEF2000C	PANASONIC	DNI	201

80	0	R71,R76	130	ERJ-1GEF1300C	Panasonic	DNI	201
81	0	R72	100	ERJ-1GEF1000C	PANASONIC	DNI	201
82	0	R73,R81	82	ERJ-1GEF82R0C	Panasonic	DNI	201
83	1	R82	49.9	ERJ-1GEF49R9C	PANASONIC		201
84	5	R84,R85,R86,R87,R88	750	CRCW0603750RFKEA	DALE		603
85	11	R96,R124,R125,R127,R139,R140, R141,R170,R171,R172,R184	0	ERJ-2GE0R00X	PANASONIC		402
86	1	R132	287K	ERJ-2RKF2873X	PANASONIC		402
87	3	R134,R147,R155	162K	ERJ-2RKF1623X	Panasonic		402
88	3	R136,R148,R153	1M	ERJ-2RKF1004X	Panasonic		402
89	1	R137	36.5K	ERJ-2RKF3652X	Panasonic		402
90	1	R143	2.4K	ERJ-2RKF2401X	PANASONIC		402
91	1	R145	4.75K	ERJ-2RKF4751X	PANASONIC		402
92	1	R146	82K	ERJ-2RKF8202X	PANASONIC		402
93	4	R151,R152,R180,R181	240	ERJ-1GEF2400C	PANASONIC		201
94	1	R154	124K	ERJ-2RKF1243X	PANASONIC		402
95	0	R157,R159	0	ERJ-6GEY0R00V	PANASONIC	DNI	805
96	1	R158	0	ERJ-6GEY0R00V	PANASONIC		805
97	0	R166,R167	182	ERJ-1GEF1820C	PANASONIC	DNI	201
98	0	R168,R169	68	ERJ-1GEF68R0C	PANASONIC	DNI	201
99	1	R174	150	ERJ-1GEJ151C	PANASONIC		201
100	4	R175,R176,R177,R178	49.9	ERJ-2RKF49R9X	PANASONIC		402
101	1	R179	680	ERJ-1GEF6800C	PANASONIC		201
102	1	R183	12	ERJ-1GEF12R0C	PANASONIC		201
103	0	R185	680	ERJ-1GEF6800C	PANASONIC	DNI	201
104	1	R186	12k	ERJ-2RKF1202X	PANASONIC		402
105	0	SJP1	OLDER JUMPER, 040	SMD PADS	SMD PADS	DNI	SMD JUMPER L_0402
106	4	SJP2,SJP3,SJP4,SJP5	OLDER JUMPER, 040	SMD PADS	SMD PADS	SHUNT 1-2	SMD JUMPER L_0402
107	1	SW1	TCH, SMT, PUSHBUT	EVQ-PNF04M	Panasonic		SW_SMVT_SPST_EVQPJX_2
108	9	TP2,TP4,TP12,TP20,TP22,TP26,TP2 8,TP30,TP34	RED	5000	KEYSTONE		TP_THVT_060_RND
109	5	TP3,TP7,TP25,TP32,TP33	YELLOW	5004	KEYSTONE		TP_THVT_060_RND
110	1	TP17	Testloop_Red	5010	Keystone		testpoint_62dia
111	1	TP18	Testloop_Black	5011	KEYSTONE		testpoint_62dia
112	5	TP19,TP21,TP27,TP29,TP31	BLK	5001	Keystone		TP_THVT_060_RND
113	5	T1,T2,T3,T4,T5	ETC1-1-13	ETC1-1-13	MACOM		TFMR_5_150x150_50
114	1	T6	TC1-1-13M+	TC1-1-13M+	Mini-Circuits		TFMR_5_150x150_50
115	1	U1	ADC32RF4X_72QFN	ADC32RF45IRMP	Texas Instruments		QFN_72_10MMX10MM_0P50MM_PWRPAD
116	1	U3	LMK04828	LMK04828BISQ/NOPB	Texas Instruments		QFN_64_360X360_0P50MM_PWRPAD
117	1	U5	FT245RL	FT245RL-REEL	FTDI Chip		ssop_28_413x220_26
118	3	U11,U14,U18	TPS62085	TPS62085RLTR	Texas Instruments		QFN_RLT_7
119	2	U12,U31	TPS7A4700	TPS7A4700RGWT	Texas Instruments		QFN_20_199x199_0p65mm
120	1	U15	TPS2400	TPS2400DBVT	Texas Instruments		DBV5
121	1	U16	TPS7A7200	TPS7A7200RGWR	Texas Instruments		QFN_20_199x199_0p65mm
122	1	U17	TPS74201/QFN20	TPS74201RGWR	Texas Instruments		qfn20_rgw_p65pitch
123	1	U29	TXB0104	TXB0104PWR	Texas Instruments		TSSOP14
124	1	U30	LMX2592	LMX2592	Texas Instruments		qfn40_RTA_RT_B_RHA
125	2	U32,U33	MASW_009444	MASW-009444	Macom		PDFN_6_p35mm
126	1	Y1	122.88MHz	CVHD-950-122.880	Crystek		VCXO_6_CUSTOM
127	1	Z_BOARD1	RE BOARD, ADC32RF	ADC32RFXX			
128	2	Z_SCREW1,Z_SCREW2	W, 4-40 X 3/4", PH	PMSSS 440 0075 PH	BUILDING FASTENERS	SCREW FOR STANDOFF	
129	2	Z_SH-J1,Z_SH-J2	SHUNT-HEADER	3828111-8	TE CONNECTIVITY	SHUNT FOR HEADER	

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