

	A	B	C	D	E	F	G	H
1				TIDA-01163 ADC32RF80EVM		Revision: D		
2	Item	Quantity	Reference	Note	Part	Part Number	Manufacturer	Foot Print
3	1	0	C1,C6,C7,C12	DNI	.1uF	GRM188R71C104KA01D	MURATA	603
4	2	64	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
5	3	1	C28		.01uF	GRM155R71E103JA01J	MURATA	402
6	4	18	C33,C61,C88,C94,C96,C102,C105,C157,C163,C188,C368,C369,C382,C388,C415,C416,C424,C427		.1uF	GRM155R71C104KA88D	MURATA	402
7	5	2	C50,C51		.01uF	C0603X5R1A103K030BA	TDK	201
8	6	1	C70		.68uF	C1005X750J684K050BC	TDK	402
9	7	1	C71		3900pF	0201ZD392KAT2A	AVX	201
10	8	1	C72		47pF	GRM0335C1E470JA01D	MURATA	201
11	9	2	C73,C74		.01uF	GRM033R71A103KA01D	MURATA	201
12	10	0	C75,C81,C82,C431,C432	DNI	.1uF	GRM033R61A104KE15D	MURATA	201
13	11	1	C78		100pF	C1005C0G1H101J050BA	TDK	402
14	12	1	C79		2200pF	GRM155R71E222KA01D	Murata	402
15	13	1	C80		10pF	GRM1555C1H100JA01D	MURATA	402
16	14	1	C86		12pF	C0603C0G1H120J030BA	TDK	201
17	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
18	16	2	C89,C95		0.01uF	GRM155R71H103KA88D	MURATA	402
19	17	1	C97		10uF	C1608X5R1A106K	TDK	603
20	18	0	C101	DNI	4.7uF	TAJB475K010RNJ	AVX	TANT_B
21	19	2	C103,C104		47pF	GRM1555C1H470FA01D	MURATA	402
22	20	3	C121,C183,C203		10uF	GRM21BR61E106KA73L	MURATA	805
23	21	1	C126		2.2uF	GRM188R71A225KE15D	MURATA	603
24	22	14	C156,C161,C173,C186,C190,C195,C197,C377,C381,C386,C403,C405,C406,C407		10uF	C1608X5R1A106K080AC	TDK	603
25	23	3	C159,C189,C385		47uF	GRM31CR61A476ME15L	MURATA	1206
26	24	4	C160,C185,C194,C384		33uF	C2012X5R1A336M125AC	TDK	805
27	25	2	C162,C383		.01uF	GRM033R71A103KA01D	Murata	201
28	26	1	C172		47uF	TPSB476K010R0250	AVX	TANT_B
29	27	3	C184,C204,C376		22uF	GRM31CR71A226KE15L	Murata	1206
30	28	1	C193		.47uF	0603YD474KAT2A	AVX	603
31	29	1	C198		4.7uF	CL21B475K0FNNNE	Samsung	805
32	30	0	C379	DNI	10uF	C1608X5R1A106K080AC	TDK	603
33	31	0	C380	DNI	.01uF	GRM033R71A103KA01D	Murata	201
34	32	1	C394		.047uF	GRM033R61C473KE84D	Murata	201
35	33	1	C395		560pF	GRM033R71E561KA01D	MURATA	201
36	34	6	C408,C409,C410,C411,C412,C413		100pF	GRM0335C1E101JA01D	Murata	201
37	35	0	C414,C417,C425,C426	DNI	.1uF	GRM155R71C104KA88D	MURATA	402
38	36	0	C420	DNI	6800pF	GRM033R71A682KA01D	Murata	201
39	37	1	C421		6800pF	GRM033R71A682KA01D	Murata	201
40	38	7	D1,D2,D3,D4,D5,D6,D7		LED GREEN	LTST-C150KGKT	LITE ON	LED 1206
41	39	1	FB1		120 OHM @ 100MHz	BLM31PG121SN1L	MURATA	1206
42	40	10	FB2,FB3,FB4,FB5,FB6,FB7,FB8,FB9,FB10,FB11		120	BLM18AG121SN1D	MURATA	603
43	41	1	FB12		1K OHM @ 100MHz	BLM41PG102SN1L	MURATA	1806
44	42	2	FB16,FB22		120 OHM @ 100MHz	BLM31PG121SN1L	MURATA	1206
45	43	3	FB17,FB19,FB20		27uF	NFM31PC276B0J3	Murata	1206 BEAD NFM31P
46	44	1	FB21		120 OHM @ 100MHz	BLM31PG121SN1L	MURATA	1206
47	45	0	F1	DNI	FUSE 10A 63V FAST	1206SFF200F/63-2	TE Connectivity	1206
48	46	1	HS1	Solder on bottom side of board, underneath the ADC	COPPER PIN FIN HEAT SINK	4-020205U	COOL INNOVATIONS	HEATSINK 270x270
49	47	1	JP1	SHUNT 2-3	HDR, THVT, 3POS	HTSW-103-07-G-S	SAMTEC	HDR THVT 1X3 100 M
50	48	1	JP2		HEADER 1x2 100 430L	HMTSW-102-07-G-S-240	SAMTEC	HDR THVT 1x2 100 M

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2	Item	Quantity	Reference	Note	Part	Part Number	Manufacturer	Foot Print
51	49	1	JP3	SHUNT 1-2	HDR, THVT, 3POS	HTSW-103-07-G-S	SAMTEC	HDR THVT 1X3 100 M
52	50	0	J1,J4	DNI	SMA, JACK, END LAUNCH	142-0711-821	Johnson Components	SMA SMEL DUAL PSF-S01 250x215
53	51	2	J2,J3		SMA, JACK, END LAUNCH	142-0711-821	Johnson Components	SMA SMEL DUAL PSF-S01 250x215
54	52	1	J5		CONN, SMA, JACK, 50 OHM, EDGE MNT	142-0711-821	Johnson Components	SMA SMEL DUAL PSF-S01 250x215
55	53	3	J7,J13,J14		SMA THVT REC	142-0701-201	Johnson Components	SMA THVT 312x312
56	54	1	J10		CON, SMVT, HS, FIELD ARRAY, 400POS, MALE	SEAM-40-02.0-S-10-2-A-K-TR	SAMTEC	CON SMVT 40X10 SEAM MTG
57	55	1	J11		CONN, USB MINI AB, SMT	651305142821	WURTH ELEKTRONIK	CON SMRT USBMNE20 F
58	56	1	J15		CONN, JACK, PWR, MINI, R/A, TH	RAPC722X	SWITCHCRAFT	CON RAPC722 JACK THVT 3
59	57	1	J16		SMP PCB SMT	853050232	MOLEX INC.	smc b120
60	58	3	L1,L2,L3		.47uH	XFL4015-471MEB	Coilcraft	IND SM XFL4015
61	59	2	MT1,MT2	STANDOFF	STANDOFF, FEMALE, 4-40 X 1 3/16", AL	1648-440-AL	RAF	MFG125_PLATED
62	60	1	Q1		CSD18532Q5	CSD18532Q5B	TI	SON Q5B 8
63	61	4	RSHN1,RSHN2,RSHN3,RSHN4		SHUNT RES	ERJ-2GE0R00X	Panasonic Electronic Components	
64	62	0	R1,R11,R13,R23	DNI	0	ERJ-3GEY0R00V	PANASONIC	603
65	63	1	R80		100	ERJ-1GEF1000C	PANASONIC	201
66	64	0	R31,R89,R126,R138,R164,R165,R173,R191	DNI	0	ERJ-2GE0R00X	PANASONIC	402
67	65	4	R32,R35,R188,R189		10K	ERJ-2RKF1002X	PANASONIC	402
68	66	2	R33,R133		1K	ERJ-2RKF1001X	PANASONIC	402
69	67	0	R34	DNI	1K	ERJ-2RKF1001X	PANASONIC	402
70	68	0	R26,R29,R40,R69,R70	DNI	100	ERJ-1GEJ101C	Panasonic	201
71	69	1	R47		39K	ERJ-1GEF3902C	PANASONIC	201
72	70	7	R48,R49,R65,R66,R75,R79,R182		0	ERJ-1GN0R00C	PANASONIC	201
73	71	0	R50,R51,R52,R53,R77,R78	DNI	240	ERJ-1GEF2400C	PANASONIC	201
74	72	1	R54		620	ERJ-1GEF6200C	PANASONIC	201
75	73	0	R55,R74,R187,R192	DNI	49.9	ERJ-1GEF49R9C	PANASONIC	201
76	74	0	R56,R95	DNI	0	ERJ-3GEY0R00V	PANASONIC	603
77	75	1	R57		18	ERJ-2RKF18R0X	PANASONIC	402
78	76	2	R58,R59		292	ERJ-2RKF2940X	PANASONIC	402
79	77	1	R60		100	ERJ-2RKF1000X	PANASONIC	402
80	78	2	R63,R64		120	ERJ-1GEF1200C	PANASONIC	201
81	79	0	R67,R68	DNI	200	ERJ-1GEF2000C	PANASONIC	201
82	80	0	R71,R76	DNI	130	ERJ-1GEF1300C	Panasonic	201
83	81	0	R72	DNI	100	ERJ-1GEF1000C	PANASONIC	201
84	82	0	R73,R81	DNI	82	ERJ-1GEF82R0C	Panasonic	201
85	83	1	R82		49.9	ERJ-1GEF49R9C	PANASONIC	201
86	84	5	R84,R85,R86,R87,R88		750	CRCW0603750RFKEA	DALE	603
87	85	11	R96,R124,R125,R127,R139,R140,R141,R170,R171,R172,R184		0	ERJ-2GE0R00X	PANASONIC	402
88	86	1	R132		287K	ERJ-2RKF2873X	PANASONIC	402
89	87	3	R134,R147,R155		162K	ERJ-2RKF1623X	Panasonic	402
90	88	3	R136,R148,R153		1M	ERJ-2RKF1004X	Panasonic	402
91	89	1	R137		36.5K	ERJ-2RKF3652X	Panasonic	402
92	90	1	R143		2.4K	ERJ-2RKF2401X	PANASONIC	402
93	91	1	R145		4.75K	ERJ-2RKF4751X	PANASONIC	402
94	92	1	R146		82K	ERJ-2RKF8202X	PANASONIC	402
95	93	4	R151,R152,R180,R181		240	ERJ-1GEF2400C	PANASONIC	201
96	94	1	R154		124K	ERJ-2RKF1243X	PANASONIC	402
97	95	0	R157,R159	DNI	0	ERJ-6GEY0R00V	PANASONIC	805
98	96	1	R158		0	ERJ-6GEY0R00V	PANASONIC	805
99	97	0	R166,R167	DNI	182	ERJ-1GEF1820C	PANASONIC	201
100	98	0	R168,R169	DNI	68	ERJ-1GEF68R0C	PANASONIC	201
101	99	1	R174		150	ERJ-1GEJ151C	PANASONIC	201
102	100	4	R175,R176,R177,R178		49.9	ERJ-2RKF49R9X	PANASONIC	402
103	101	1	R179		680	ERJ-1GEF6800C	PANASONIC	201
104	102	1	R183		12	ERJ-1GEF12R0C	PANASONIC	201
105	103	0	R185	DNI	680	ERJ-1GEF6800C	PANASONIC	201
106	104	1	R186		12k	ERJ-2RKF1202X	PANASONIC	402
107	105	0	SJP1	DNI	SOLDER JUMPER, 0402	SMD PADS	SMD PADS	SMD JUMPER L 0402
108	106	4	SJP2,SJP3,SJP4,SJP5	SHUNT 1-2	SOLDER JUMPER, 0402	SMD PADS	SMD PADS	SMD JUMPER L 0402
109	107	1	SW1		SWITCH, SMT, PUSHBUTTON	EVO-PNF04M	Panasonic	SW SMVT SPST EVOPIX 2
110	108	9	TP2,TP4,TP12,TP20,TP22,TP26,TP28,TP30,TP34		YELLOW	5000	KEYSTONE	TP THVT 060 RND
111	109	5	TP3,TP7,TP25,TP32,TP33		YELLOW	5004	KEYSTONE	TP THVT 060 RND
112	110	1	TP17		Testloop Red	5010	Keystone	testpoint 62dia
113	111	1	TP18		Testloop Black	5011	KEYSTONE	testpoint 62dia
114	112	5	TP19,TP21,TP27,TP29,TP31		BLK	5001	Keystone	TP THVT 060 RND
115	113	5	T1,T2,T3,T4,T5		ETC1-1-13	ETC1-1-13	MACOM	TFMR 5 150X150 50
116	114	1	T6		TC1-1-13M+	TC1-1-13M+	Mini-Circuits	TFMR 5 150x150 50

	A	B	C	D	E	F	G	H
1					TIDA-01163 ADC32RF80EVM	Revision: D		
2	Item	Quantity	Reference	Note	Part	Part Number	Manufacturer	Foot Print
117	115	1	U1		ADC32RFXX_72QFN	ADC32RF80IRMP	Texas Instruments	QFN_72_10MMX10MM_0P50MM_PWRPAD
118	116	1	U3		LMK04828	LMK04828BISO	Texas Instruments	QFN_64_360X360_0P50MM_PWRPAD
119	117	1	U5		FT245RL	FT245RL-REEL	FTDI Chip	ssop_28_413x220_26
120	118	3	U11,U14,U18		TPS62085	TPS62085RLTR	Texas Instruments	QFN_RLT_7
121	119	2	U12,U31		TPS7A4700	TPS7A4700RGWT	Texas Instruments	QFN_20_199x199_0p65mm
122	120	1	U15		TPS2400	TPS2400DBVT	Texas Instruments	DBV5
123	121	1	U16		TPS7A7200	TPS7A7200RGWR	Texas Instruments	QFN_20_199x199_0p65mm
124	122	1	U17		TPS74201/QFN20	TPS74201RGWR	Texas Instruments	qfn20_rgw_p65pitch
125	123	1	U29		TXB0104	TXB0104PWR	Texas Instruments	TSSOP14
126	124	1	U30		LMX2582	LMX2582RHAT	Texas Instruments	qfn40_RTA_RTb_RHA
127	125	2	U32,U33		MASW_009444	MASW-009444	Macom	PDFN_6_p35mm
128	126	1	Y1		122.88MHz	CVHD-950-122.880	Crystek	VCXO_6_CUSTOM
129	127	1	Z_BOARD1		BARE BOARD, ADC32RFXX	ADC32RFXX		
130	128	2	Z_SCREW1,Z_SCREW2	SCREW FOR STANDOFF	SCREW, 4-40 X 3/4", PHIL, SS	PMSSS 440 0075 PH	BUILDING FASTENERS	
131	129	2	Z_SH-J1,Z_SH-J2	SHUNT FOR HEADER	SHUNT-HEADER	382811-8	TE CONNECTIVITY	

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