

Variant: 001
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TIDA-00813 REV A BILL OF MATERIALS

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1,C5,C28,C111,C114,C437-C440	9	.01uF	GRM155R71E103JA01J	MURATA		0402
2	C2,C10	2	3.9pF	GJM1555C1H3R9WB01D	MURATA		0402_custom
3	C3,C6	2	1.6pF	GJM1555C1H1R6WB01D	MURATA		0402_custom
4	C4	0	.01uF	GRM155R71E102JA01J_DNI	MURATA	DNI	0402
5	C8,C9,C13-C24,C26,C27,C30,C31,C37-C49,C52-C60,C67-C69,C77,C83-C85,C170,C171,C372,C373,C390-C393,C396,C397,C399,C401,C418,C419,C428-C430	64	.1uF	GRM033R61A104KE15D	MURATA		0201
6	C11,C25,C32	3	2200pF	C0402C222J3GACTU	KEMET		0402
7	C12,C29,C34,C433-C436	7	.01uF	GRM155R71H103KA88D	MURATA		0402
8	C33,C61,C62,C76,C88,C94,C96,C102,C105,C157,C163,C188,C368,C369,C382,C388	16	.1uF	GRM155R71C104KA88D	MURATA		0402
9	C35,C66,C156,C161,C173,C186,C190,C195,C197,C377,C381,C386,C403,C405-C407	16	10uF	C1608X5R1A106K080AC	TDK		0603
10	C36,C63,C87,C90-C93,C98,C99,C122,C158,C166,C187,C191,C196,C378,C387,C389,C398,C400,C402,C404	22	1uF	C1005X5R1A105K050BB	TDK		0402
11	C50,C51	2	.01uF	C0603X5R1A103K030BA	TDK		0201
12	C64,C159,C189,C385	4	47uF	GRM31CR61A476ME15L	MURATA		1206
13	C65,C160,C185,C194,C384	5	33uF	C2012X5R1A336M125AC	TDK		0805
14	C70	1	.68uF	C1005X7S0J684K050BC	TDK		0402
15	C71	1	3900pF	0201ZD392KAT2A	AVX		0201
16	C72	1	47pF	GRM0335C1E470JA01D	MURATA		0201
17	C73,C74,C100,C162,C383	5	.01uF	GRM033R71A103KA01D	MURATA		0201
18	C75,C81,C82,C431,C432	0	.1uF	GRM033R61A104KE15D	MURATA	DNI	0201
19	C78	1	100pF	C1005C0G1H101J050BA	TDK		0402
20	C79	1	2200pF	GRM155R71E222KA01D	Murata		0402
21	C80	1	10pF	GRM1555C1H100JA01D	MURATA		0402
22	C86	1	12pF	C0603C0G1E120G030BG	TDK		0201
23	C89,C95	2	0.01uF	GRM155R71H103KA88D	MURATA		0402
24	C97	1	10uF	C1608X5R1A106K	TDK		0603
25	C101	0	4.7uF	TAJB475K010RNJ	AVX	DNI	TANT_B
26	C103,C104	2	47pF	GRM1555C1H470FA01D	MURATA		0402
27	C110	0	.01uF	GRM155R71E103JA01J_DNI	MURATA	DNI	0402
28	C121,C183,C203	3	10uF	GRM21BR61E106KA73L	MURATA		0805
29	C126	1	2.2uF	GRM188R71A225KE15D	MURATA		0603
30	C172	1	47uF	TPSB476K010R0250	AVX		TANT_B
31	C184,C204,C376	3	22uF	GRM31CR71A226KE15L	Murata		1206
32	C193	1	.47uF	0603YD474KAT2A	AVX		0603
33	C198	1	4.7uF	CL21B475KQFNNNE	Samsung		0805
34	C379	0	10uF	C1608X5R1A106K080AC	TDK	DNI	0603
35	C380	0	.01uF	GRM033R71A103KA01D	Murata	DNI	0201
36	C394	1	.047uF	GRM033R61C473KE84D	Murata		0201
37	C395	1	560pF	GRM033R71E561KA01D	MURATA		0201
38	C408-C413	6	100pF	GRM0335C1E101JA01D	Murata		0201

39	C420	0	6800pF	GRM033R71A682KA01D	Murata	DNI	0201
40	C421	1	6800pF	GRM033R71A682KA01D	Murata		0201
41	D1-D7	7	LED GREEN	LTST-C150KGKT	LITE ON		LED_1206
42	F1	0	FUSE 10A 63V FAST	1206SFF200F/63-2	TE Connectivity	DNI	1206
43	FB1,FB14	2	120 OHM @ 100MHz	BLM31PG1215N1L	MURATA		1206
44	FB2-FB11	10	120 OHM	BLM18AG1215N1D	MURATA		0603
45	FB12	1	1K OHM @ 100MHz	BLM41PG1025N1L	MURATA		1806
46	FB13,FB15,FB16	3	120 OHM @ 100MHz	BLM31PG1215N1L	MURATA		1206
47	FB17,FB19,FB20	3	27uF	NFM31PC276B0J3	Murata		1206_BEAD_NFM31P
48	HS1	1	COPPER PIN FIN HEAT SINK	4-020205U	COOL INNOVATIONS		HEATSINK_270x270
49	J1-J5	5	CONN, MMSP-3805-LD-EDGE	MMSP-3805	MICROMODE		SMA-MSSP-4848-EDGE_MICRO
50	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
51	J6	1	SMP_PCB_SMT	0853050232	MOLEX INC.		smp_b120
52	J7,J9,J13	3	SMA_THVT_REC	142-0701-201	Johnson Components		SMA_THVT_312x312
53	J8	1	CONN, JACK, PWR, MINI, R/A, TH	RAPC722X	SWITCHCRAFT		CON_RAPC722_JACK_THVT_3
54	J11	1	CONN, USB MINI AB, SMT	651305142821	WURTH ELEKTRONIK		CON_SMRT_USBMNE20_F
55	JP1	1	HDR, THVT, 3POS	HTSW-103-07-G-S	SAMTEC	SHUNT 2-3	HDR_THVT_1X3_100_M
56	JP2	1	HEADER 1x2_100_430L	HMTSW-102-07-G-S-.240	SAMTEC	OPEN	HDR_THVT_1x2_100_M
57	JP3	1	HDR, THVT, 3POS	HTSW-103-07-G-S	SAMTEC	SHUNT 1-2	HDR_THVT_1X3_100_M
58	JP4,JP5	2	JUMPER 1X2_100	HTSW-102-07-G-S	SAMTEC		HDR_THVT_1X2_100_M
59	L1-L3	3	.47uH	XFL4015-471MEB	Coilcraft		IND_SM_XFL4015
60	L4,L14	2	5.1nH	0603HP-5N1XGLU	COILCRAFT		IND_0603
61	L5,L6,L8,L9	4	2nH	0402HP-2N0XJLU	COILCRAFT		0402_custom
62	L7,L11-L13	4	4.7nH	0402HP-4N7XJLU	COILCRAFT		0402_custom
63	MT1,MT2	2	STANDOFF, FEMALE, 4-40 X 1 3/16", AL	1648-440-AL	RAF	STANDOFF	MFG125_PLATED
64	Q1	1	CSD18532Q5	CSD18532Q5B	TI		SON_Q5B_8
65	R193,R194	2	90.9	ERJ-2RKF90R9X	PANASONIC		0402
66	R2,R3,R7,R8	4	4.99k	ERJ-2RKF4991X	PANASONIC		0402
67	R4,R5,R9,R10	4	24.9	ERJ-1GEF24R9C	PANASONIC		0201
68	R12,R14,R96,R124,R125,R127,R139-R141,R170-R172,R184	13	0	ERJ-2GE0R00X	PANASONIC		0402
68b	R11, R13	0	0	ERJ-2GE0R00X_DNI	PANASONIC	DNI	0402
69	R26,R29,R80	3	100	ERJ-1GEF1000C	PANASONIC		0201
69B	R69,R70	0	100	ERJ-1GEF1000C_DNI	PANASONIC	DNI	0201
70	R31,R89,R126,R138,R164,R165,R173,R191	0	0	ERJ-2GE0R00X	PANASONIC	DNI	0402
71	R32,R35,R188,R189	4	10K	ERJ-2RKF1002X	PANASONIC		0402
72	R33,R133	2	1K	ERJ-2RKF1001X	PANASONIC		0402
73	R34	0	1K	ERJ-2RKF1001X	PANASONIC	DNI	0402
74	R40	0	100	ERJ-1GEJ101C	Panasonic	DNI	0201
75	R47	1	39K	ERJ-1GEF3902C	PANASONIC		0201
76	R48,R49,R65,R66,R75,R79,R182	7	0	ERJ-1GE0R00C	PANASONIC		0201
77	R50-R53,R77,R78	0	240	ERJ-1GEF2400C	PANASONIC	DNI	0201
78	R54	1	620	ERJ-1GEF6200C	PANASONIC		0201
79	R55,R74,R187,R192	0	49.9	ERJ-1GEF49R9C	PANASONIC	DNI	0201
80	R56,R95	0	0	ERJ-3GEY0R00V	PANASONIC	DNI	0603
81	R57	1	18	ERJ-2RKF18R0X	PANASONIC		0402
82	R58,R59	2	292	ERJ-2RKF2940X	PANASONIC		0402
83	R60	1	100	ERJ-2RKF1000X	PANASONIC		0402
84	R63,R64	2	120	ERJ-1GEF1200C	PANASONIC		0201
85	R67,R68	0	200	ERJ-1GEF2000C_DNI	PANASONIC	DNI	0201
86	R71,R76	0	130	ERJ-1GEF1300C	Panasonic	DNI	0201
87	R72	0	100	ERJ-1GEF1000C	PANASONIC	DNI	0201
88	R73,R81	0	82	ERJ-1GEF82R0C	Panasonic	DNI	0201
89	R82	1	49.9	ERJ-1GEF49R9C	PANASONIC		0201
90	R84-R88	5	750	CRCW0603750RFKEA	DALE		0603
91	R132	1	287K	ERJ-2RKF2873X	PANASONIC		0402

92	R134,R147,R155	3	162K	ERJ-2RKF1623X	Panasonic		0402
93	R136,R148,R153	3	1M	ERJ-2RKF1004X	Panasonic		0402
94	R137	1	36.5K	ERJ-2RKF3652X	Panasonic		0402
95	R143	1	2.4K	ERJ-2RKF2401X	PANASONIC		0402
96	R145	1	4.75K	ERJ-2RKF4751X	PANASONIC		0402
97	R146	1	82K	ERJ-2RKF8202X	PANASONIC		0402
98	R151,R152,R180,R181	4	240	ERJ-1GEF2400C	PANASONIC		0201
99	R154	1	124K	ERJ-2RKF1243X	PANASONIC		0402
100	R157,R159	0	0	ERJ-6GEY0R00V	PANASONIC	DNI	0805
101	R158	1	0	ERJ-6GEY0R00V	PANASONIC		0805
102	R166,R167	0	182	ERJ-1GEF1820C	PANASONIC	DNI	0201
103	R168,R169	0	68	ERJ-1GEF68R0C	PANASONIC	DNI	0201
104	R174	1	150	ERJ-1GEJ151C	PANASONIC		0201
105	R175-R178	4	49.9	ERJ-2RKF49R9X	PANASONIC		0402
106	R179	1	680	ERJ-1GEF6800C	PANASONIC		0201
107	R183	1	12	ERJ-1GEF12R0C	PANASONIC		0201
108	R185	0	680	ERJ-1GEF6800C	PANASONIC	DNI	0201
109	R186	1	12k	ERJ-2RKF1202X	PANASONIC		0402
110	R1, R6	2	30.9	ERJ-2RKF30R9X	PANASONIC		0402
111	RSHN1-RSHN4	4	SHUNT RES	ERJ-2GE0R00X	Panasonic Electronic Components		
112	SJP1	0	SOLDER JUMPER, 0402	DNI	DNI	DNI	SMD_JUMPER_L_0402
113	SJP2-SJP5	0	SOLDER JUMPER, 0402	DNI	DNI	SHUNT 1-2	SMD_JUMPER_L_0402
114	SW1	1	SWITCH, SMT, PUSHBUTTON	EVQ-PNF04M	Panasonic		SW_SMVT_SPST_EVQPIJX_2
115	T5	1	ETC1-1-13	ETC1-1-13TR	M/A-COM		TFMR_5_150X150_50
116	T6	1	TC1-1-13M+	TC1-1-13M+	Mini-Circuits		TFMR_5_150x150_50
117	TP1,TP2,TP4,TP5,TP10,TP12,TP13,TP15,TP20,TP22	10	RED	5000	KEYSTONE		TP_THVT_060_RND
118	TP3,TP7-TP9,TP16	5	YELLOW	5004	KEYSTONE		TP_THVT_060_RND
119	TP6,TP11,TP14,TP19,TP21	5	BLK	5001	Keystone		TP_THVT_060_RND
120	TP17	1	Testloop_Red	5010	Keystone		testpoint_62dia
121	TP18	1	Testloop_Black	5011	KEYSTONE		testpoint_62dia
122	U10	1	LMX2582_LM2592	LMX2592RHAT	Texas Instruments		qfn40_RTA_RTb_RHA
123	U11,U14,U18	3	TPS62085	TPS62085RLTR	Texas Instruments		QFN_RLT_7
124	U4,U9,U12	3	TPS7A4700	TPS7A4700RGWT	Texas Instruments		QFN_20_199x199_0p65mm
125	U13	1	TXB0104	TXB0104PWR	Texas Instruments		TSSOP14
126	U15	1	TPS2400	TPS2400DBVT	Texas Instruments		DBV5
127	U16	1	TPS7A7200	TPS7A7200RGWR	Texas Instruments		QFN_20_199x199_0p65mm
128	U17	1	TPS74201/QFN20	TPS74201RGWR	Texas Instruments		qfn20_rgw_p65pitch
129	U1	1	ADC32RF45_72QFN	ADC32RF45IRMP	Texas Instruments		QFN_72_10MMX10MM_0P50MM_PWRPAD
130	U2	1	LMH3404	LMH3404IRGER	TI		QFN24_RGE_RTW_P5MM
131	U3	1	LMK04828	LMK04828BISQ	Texas Instruments		QFN_64_360X360_0P50MM_PWRPAD
132	U5	1	FT245RL	FT245RL-REEL	FTDI Chip		ssop_28_413x220_26
133	U7,U8	2	MASW_009444	MASW-009444	Macom		PDFN_6_p35mm
134	Y1	1	122.88MHz	CVHD-950-122.880	Crystek		VCXO_6_CUSTOM
135		1	BARE BOARD, TSW32RF45	TSW32RF45EVM REV E1			
136		2	SCREW, 4-40 X 3/4", PHIL, SS	PMSSS 440 0075 PH	BUILDING FASTENERS	SCREW FOR STANDOFF	
137		2	SHUNT-HEADER	382811-8	TE CONNECTIVITY	SHUNT FOR HEADER	

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