

TIDA -01247 Bill of Materials

Item	Quantity	Designator	Value	Foot Print	Manufacturer	Part Number	Note
1	0	C1,C6,C7,C12	.1uF	603	MURATA	GRM188R71C104KA01D	DNI
8	4	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	201	MURATA	GRM033R61A104KE15D	
2	64	C419,C428,C429,C430	.1uF	201	MURATA	GRM033R61A104KE15D	
3	1	C28	.01uF	402	MURATA	GRM155R71E103JA01J	
4	18	C33,C61,C88,C94,C96,C102,C105,C157,C163,C188,C368,C369,C382,C383	.1uF	402	MURATA	GRM155R71C104KA88D	
5	2	C50,C51	.01uF	201	TDK	C0603XSR1A103K030BA	
6	1	C70	.68uF	402	TDK	C1005X750J684K050BC	
7	1	C71	3900pF	201	AVX	02012D392KAT2A	
8	1	C72	47pF	201	MURATA	GRM0335C1E470JA01D	
9	4	C73,C74,C162,C383	.01uF	201	Murata	GRM033R71A103KA01D	
10	0	C75,C81,C82,C431,C432	.1uF	201	MURATA	GRM033R61A104KE15D	DNI
11	1	C78	100pF	402	TDK	C1005CG1H101050BA	
12	1	C79	2200pF	402	Murata	GRM155R71E22KA01D	
13	1	C80	10pF	402	MURATA	GRM1555C1H100JA01D	
14	1	C86	12pF	201	TDK	C0603COG1H120J030BA	
15	20	C87,C90,C91,C92,C93,C98,C99,C158,C159,C166,C191,C196,C378,C387,C389	1uF	402	TDK	C1005XSR1A105K050BB	
16	2	C89,C95	0.01uF	402	MURATA	GRM155R71H103KA88D	
17	1	C97	10uF	603	TDK	C1608XSR1A106K	
18	0	C101	4.7uF	TANT_B	AVX	TAJB4750K10RNJ	DNI
19	2	C103,C104	47pF	402	MURATA	GRM1555C1H470FA01D	
20	3	C121,C183,C203	10uF	805	MURATA	GRM21BR61E106KA73L	
21	1	C126	2.2uF	603	MURATA	GRM188R71A225KE15D	
22	14	C156,C161,C173,C190,C195,C377,C381,C386,C403,C405,C406,C407	10uF	603	TDK	C1608XSR1A106K080AC	
23	3	C159,C189,C385	47uF	1206	MURATA	GRM31CR61A476ME15L	
24	4	C160,C194,C384	33uF	805	TDK	C2012XSR1A336M125AC	
25	1	C172	47uF	TANT_B	AVX	TPS8476K010R0250	
26	3	C184,C204,C376	22uF	1206	Murata	GRM31CR71A226KE15L	
29	0	C379	10uF	603	TDK	C1608XSR1A106K080AC	DNI
30	0	C380	.01uF	201	Murata	GRM033R71A103KA01D	DNI
31	1	C394	.047uF	201	Murata	GRM033R61C47K8E4D	
32	1	C395	560pF	201	MURATA	GRM033R71E561KA01D	
33	6	C408,C409,C410,C411,C412,C413	100pF	201	Murata	GRM0335C1E101JA01D	
34	0	C414,C417,C425,C426	.1uF	402	MURATA	GRM155R71C104KA88D	DNI
35	0	C420	6800pF	201	Murata	GRM033R71A682KA01D	DNI
36	1	C421	6800pF	201	Murata	GRM033R71A682KA01D	
37	7	D1,D2,D3,D4,D5,D6,D7	LED GREEN	LED_1206	LITE ON	LTST-C150GKT	
38	2	FB1,FB21	120 OHM @ 100MHz	1206	MURATA	BLM31PG121SN1L	
39	10	FB2,FB3,FB4,FB5,FB6,FB7,FB8,FB9,FB10,FB11	120	603	MURATA	BLM18AG121SN1D	
40	1	FB12	1K OHM @ 100MHz	1806	MURATA	BLM41PG102SN1L	
41	2	FB16,FB22	120 OHM @ 100MHz	1206	MURATA	BLM31PG121SN1L	
42	3	FB17,FB19,FB20	27uF	1206	Murata	NFM31PC276D03	
43	0	F1	FUSE 10A 63V FAST	1206	TE Connectivity	1206SFF200F/63-2	DNI
Soldered to bottom side of DUT - Part number contains hyperlink to fansink assembly BOM							
44	1	H51	Copper Heatsink, .7 x .35 with fan assembly	HEATSINK_350X700	SVT Fansink	98-1005601	contains hyperlink to fansink assembly BOM
45	1	JP1	HDR, THVT, 3POS	HDR_THVT_1X3_100_M	SAMTEC	HTSW-103-07-G-5	SHUNT 2-3
46	1	JP2	HEADER_1x2_100_430L	HDR_THVT_1x2_100_M	SAMTEC	HMTSW-102-07-G-S-240	OPEN
47	1	JP3	HDR, THVT, 3POS	HDR_THVT_1X3_100_M	SAMTEC	HTSW-103-07-G-5	SHUNT 1-2
48	0	J1,J4	SMA, JACK, END LAUNCH	SMA_SMEI_DUAL_PSF-501_250x215	Johnson Components	142-0711-821	
49	2	J2,J3	SMA, JACK, END LAUNCH	SMA_SMEI_DUAL_PSF-501_250x215	Johnson Components	142-0711-821	
50	1	J5	CONN, SMA, JACK, 50 OHM, EDGE MNT	SMA_SMEI_DUAL_PSF-501_250x215	Johnson Components	142-0711-821	
51	3	J7,J13,J14	SMA_THVT_REC	SMA_THVT_312x312	Johnson Components	142-0701-201	
52	1	J10	CON, SMVT, HS, FIELD ARRAY, 400POS, MALE	CON_SMVT_40X10_SEAM_MTG	SAMTEC	SEAM-40-02.0-S-10-2-A-K-TR	
53	1	J11	CONN, USB MINI AB, SMT	CON_SMRT_USBMINI20_F	WURTH ELEKTRONIK	6.51305E+11	
54	1	J15	PJ-006A	JACK_THVT_3_520x343x421	CUI Inc	PJ-006A	
55	1	J16	SMP_PCB_SMT	smc_b120	MOLEX INC.	853050232	
56	1	J38	HEADER 2POS, FAN POWER	hdr_thvt_1x2_100_m	Molex	22112022	
57	3	L1,L12,L3	47uH	IND_SM_XFL4015	Coilcraft	XFL4015-471M1EB	
58	2	MT1,MT2	STANDOFF, FEMALE, 4-40 X 1 3/16", AL	MFG125_PLATED	RAF	1648-440-AL	STANDOFF
59	1	Q1	CS018532Q5	SON_Q5B_8	Texas Instruments	CS018532Q5B	
60	4	RSHN1,RSHN2,RSHN3,RSHN4	SHUNT RES		Panasonic Electronic Components	ERI-2GEOR00X	
61	0	R1,R11,R13,R23	0	603	PANASONIC	ERI-3GEYOR00V	DNI
62	2	R26,R80	100	201	PANASONIC	ERI-1GEF1000C	
63	0	R29,R69,R70,R72	100	201	PANASONIC	ERI-1GEF1000C	DNI
64	2	R33,R133	1K	402	PANASONIC	ERI-2RKF1001X	
65	0	R34	1K	402	PANASONIC	ERI-2RKF1001X	DNI
66	3	R35,R188,R189	10K	402	PANASONIC	ERI-2RKF1002X	
67	0	R40	100	201	Panasonic	ERI-1GEJ101C	DNI
68	1	R47	39K	201	PANASONIC	ERI-1GEF3902C	
69	7	R48,R49,R65,R66,R75,R79,R182	0	201	PANASONIC	ERI-1GNOR00C	
70	0	R50,R51,R52,R53,R77,R78	240	201	PANASONIC	ERI-1GEF2400C	DNI
71	1	R54	620	201	PANASONIC	ERI-1GEF6200C	
72	0	R55,R74,R187,R192	49.9	201	PANASONIC	ERI-1GEF4998C	DNI
73	0	R56,R95	0	603	PANASONIC	ERI-3GEYOR00V	DNI
74	1	R57	18	402	PANASONIC	ERI-2RKF18R0X	
75	2	R58,R59	292	402	PANASONIC	ERI-2RKF2940X	
76	1	R60	100	402	PANASONIC	ERI-2RKF1000X	
77	2	R63,R64	120	201	PANASONIC	ERI-1GEF1200C	
78	0	R67,R68	200	201	PANASONIC	ERI-1GEF2000C	DNI
79	0	R71,R76	130	201	Panasonic	ERI-1GEF1300C	DNI
80	0	R73,R81	82	201	Panasonic	ERI-1GEF82R0C	DNI
81	1	R82	49.9	201	PANASONIC	ERI-1GEF4998C	
82	5	R84,R85,R86,R87,R88	750	603	DALE	CRCW0603750RPFKA	
83	0	R89,R126,R164,R165,R173,R191	0	402	PANASONIC	ERI-2GEOR00X	DNI
84	11	R96,R124,R125,R127,R170,R171,R172,R184	0	402	PANASONIC	ERI-2GEOR00X	
85	1	R132	287K	402	PANASONIC	ERI-2RKF2873X	
86	3	R134,R147,R155	162K	402	Panasonic	ERI-2RKF1623X	
87	3	R136,R148,R153	1M	402	Panasonic	ERI-2RKF1004X	
91	1	R146	82K	402	PANASONIC	ERI-2RKF8202X	
92	4	R151,R152,R180,R181	240	201	PANASONIC	ERI-1GEF2400C	
93	1	R154	124K	402	PANASONIC	ERI-2RKF1243X	
197	0	R166,R167	182	201	PANASONIC	ERI-1GEF1820C	DNI
97	0	R168,R169	68	201	PANASONIC	ERI-1GEF68R0C	DNI
98	1	R174	150	201	PANASONIC	ERI-1GEJ151C	
99	4	R175,R176,R177,R178	49.9	402	PANASONIC	ERI-2RKF4998X	
100	1	R179	680	201	PANASONIC	ERI-1GEF6800C	
101	1	R183	12	201	PANASONIC	ERI-1GEF12R0C	
102	0	R185	680	201	PANASONIC	ERI-1GEF6800C	DNI
103	1	R186	12k	402	PANASONIC	ERI-2RKF1202X	
104	0	SJP1	SOLDER JUMPER, 0402	SMD_JUMPER_L_0402	DNI	DNI	DNI
106	3	SJP4,SJP5	SOLDER JUMPER, 0402	SMD_JUMPER_L_0402	DNI	DNI	SHUNT 1-2
107	1	SW1	SWITCH, SMT, PUSHBUTTON	SW_SMVT_SPST_EVQPIX_2	Panasonic	EVQ-PNF04M	
108	9	TP2,TP4,TP12,TP20,TP22,TP30,TP34	RED	TP_THVT_060_RND	KEYSTONE	5000	
109	5	TP3,TP7,TP25,TP32,TP33	YELLOW	TP_THVT_060_RND	KEYSTONE	5004	
110	1	TP17	Testloop_Red	testpoint_62dia	Keystone	5010	
111	1	TP18	Testloop_Black	testpoint_62dia	KEYSTONE	5011	
112	5	TP19,TP21,TP27,TP29,TP31	BLK	TP_THVT_060_RND	Keystone	5001	
113	1	T1,T2,T3,T4,T5	ETC1-113	TFMR_5_150x150_50	MACOM	ETC1-113	
114	1	T6	TC1-113M+	TFMR_5_150x150_50	Mini-Circuits	TC1-113M+	
115	1	U1	ADC32RF45	QFN_72_10MMX10MM_0P50MM_PWRPAD	Texas Instruments	ADC32RF45IRMP	
116	1	U3	LMK04828	QFN_64_360X360_0P50MM_PWRPAD	Texas Instruments	LMK04828BISQ	
117	1	U5	FT245RL	ssop_28_41x220_26	FTDI Chip	FT245RL-REEL	
118	3	U11,U14,U18	TPS62085	QFN_RLT_7	Texas Instruments	TPS62085RLTR	
119	2	U12,U31	TPS7A4700	QFN_20_199x199_0p65mm	Texas Instruments	TPS7A4700RGWT	
120	1	U15	TPS2400	DBV5	Texas Instruments	TPS2400DBVT	
123	1	U29	TXB0104	TSSOP14	Texas Instruments	TXB0104PWR	
124	1	U30	LMX2582	qfn40_RTA_RTB_RHA	Texas Instruments	LMX2582RHAT	
125	2	U32,U33	MASW_009444	PDFN_6_p35mm	MACOM	MASW-009444	
126	1	Y1	12.88MHz	VCXO_6_CUSTOM	Crytek	CVHD-950-122.880	
127	1	Z_BOARD	BARE BOARD, ADC32RFXX			ADC32RFXX	
128	2	Z_SCREW1,Z_SCREW2	SCREW, 4-40 X 3/4", PHIL, SS		BUILDING FASTENERS	PMSS5 400 D075 PH	SCREW FOR STANDOFF
129	2	Z_SH-J1,Z_SH-J2	SHUNT-HEADER		TE CONNECTIVITY	382111-8	SHUNT FOR HEADER

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