TIDA-00799

TIDA -00799 Bill of Materials

Item	Qty	Designator	Value	Description	Manufacturer	Part Number	Note
1	31	C1,C3-C7,C30-C42,C48-C50,C52-C54,C58,C62,C67,C69,C76,C83	.1uF	0402	MURATA	GRM155R71C104KA88D	
2	1	C2	11pF	0402	TDK	CBR04C110F5GAC	
3	3	C8,C10,C13	5.6pF	0402	AVX CORP	MK02275R6BAT2A	
4	1	C9	16pF	0402	KEMET	CBR04C160F5GAC	
5	1	C11	5pF	0402	MURATA	GJM1555C1H5R0BB01D	
6	1	C12	82pF	0402	KEMET	CBR04C820F3GAC	
7	2	C14,C16	.1uF	1206	TDK	C3216C0G1H104J160AA	
8	2	C15,C17	6.8uF	1206	TDK	C3216X5R1H685K160AB	
9	3	C18,C55,C71	.1uF	0402	MURATA	GRM155R61A104KA01D	
10	1	C19	10uF	0805	KEMET	C0805C106K8RACTU	
11	2	C20,C25	56pF	0402	KEMET	CBR04C560F1GAC	
12	2	C21,C26	180pF	0603	VISHAY VITRAMON	VJ0603D181KXAAJ	
13	4	C22,C27,C47,C57	.01uF	0603	AVX	06035C103JAT2A	
14	1	C23	10uF	0805	Taiyo Yuden	EMK212BJ106KG-T	
15	2	C24,C29	0.01uF	0603	KEMET	C0603C103K1RACTU	
16	1	C28	22uF	0805	TDK	C2012X5R0J226M125AC	
17	4	C43-C46	.22uF	0402	SAMSUNG	CL05B224KO5NNNC	
18	1	C51	.1uF	0805	AVX CORP	08055C104KAT2A	
19	11	C56,R2-R4,R8,R12,R14,R15,R74,R77,R80	0	0402	PANASONIC	ERJ-2GE0R00X	
20	1	C59	4.7uF	TANT_A	AVX	TAJA475K020RNJ	
21	2	C60,C61	47pF	0603	Kemet	C0603C470J5GACTU	
22	1	C63	47uF	1210	MURATA	GRM32ER61A476KE20L	
23	1	C64	22uF	1210	TDK CORP	C3225X5R1C226K250AA	
24	3	C65,C75,C82	10uF	0805	Samsung	CL21B106KOQNNNE	
25	1	C66	1uF	0603	AVX	0603YD105KAT2A	
26	1	C68	2.2uF	0402	MURATA	GRM155D80J225KE95D	
27	1	C70	4.7uF	0402	MURATA	GRM155R60J475ME87D	
28	5	C72,C77,C78,C86,C87	10uF	1206	MURATA	GRM31CR71A106KA01L	
29	4	C79-C81,C88	.01uF	0402	MURATA	GRM155R71H103KA88D	
30	3	C84,C90,C91	1uF	0805	TDK CORP	C2012X5R1E105K125AA	
31	3	C89,C103,C104	1uF	0402	MURATA	GRM155R60J105KE19D	OR EQUIVALENT
32	4	C94-C97	.1uF	0603	Johanson Dielectrics	100X14W104MV4T	X2Y
33	1	C98	.1uF	0805	Taiyo Yuden	LMK212SD104JG-T	High Frequency
34	0	C99-C102	.1uF	0402	MURATA	GRM155R71C104KA88D_DNI	DNI
35	3	D1-D3	BAV99W	SOT_323	NXP Semiconductors	BAV99W-7-F	
36	1	D4	LED GREEN	LED_1206	LITE ON	LTST-C150KGKT	
37	1	D5	MBRB2515L	DIODE_MBRB2515L	ON Semiconductor	MBRB2515LT4G	
38	0	D6,D7	BAV99W	SOT_323	NXP Semiconductors	BAV99W-7-F_DNI	DNI
39	0	F1	FUSE 2.0A 63V FAST	1206	TE Connectivity	1206SFF200F/63-2_DNI	DNI
40	2	FB1,FB2	60 OHM @ 100MHz	1206	Taiyo Yuden	FBMJ3216HM600-T	

41	5	FB3-FB7	1K @ 100MHz	1806	Murata	BLM41PG102SN1L	
42	6	J1,J3-J7	SMA_END_RND	SMA_RECP_250X250	Johnson Components	142-0711-821	
43	1	J12	QTH-060-01-F-D-A-RT1	CON_SMVT_120POS_QTH_SAMTEC_RT1	SAMTEC	QTH-060-01-F-D-A-RT1	
44	0	J2	SMA_END_RND	SMA_RECP_250X250	Johnson Components	142-0711-821_DNI	DNI
45	2	J8,J10	SMB_THVT_REC	SMA_THVT_312x312	Johnson Components	142-0701-201	
46	1	J13	CONN, USB MINI AB, SMT	CON_SMRT_USBMNE20_F	WURTH ELEKTRONIK	651305142821	
47	1	J14	CONN JACK PWR	CON_RAPC722_JACK_THVT_3	SWITCHCRAFT	RAPC722X	
48	1	JP1	HEADER, 2POS, .100	HDR_THVT_1X2_100_M	SAMTEC	TSW-102-07-G-S	
49	1	JP2	HEADER, 3POS, .100	HDR_THVT_1x3_100_M	SAMTEC	TSW-103-07-G-S	SHUNT 2-3
50	4	JP3-JP6	HEADER, 2POS, .100	HDR_THVT_1x2_100_M	SAMTEC	TSW-102-07-G-S	SHUNT 1-2
51	2	JP7,JP8	HEADER, 3POS, .100	HDR_THVT_1x3_100_M	SAMTEC	TSW-103-07-G-S	SHUNT 1-2
52	2	L1,L3	39nH	0402	COILCRAFT	0402HP-39NXJLU	
53	1	L2	11pF	0603	Kemet	CBR06C110FAGAC	
54	2	L4,L5	240nH	ind_0603	COILCRAFT	0603LS-241XGL	
55	4	L6-L9	390nH	IND_0402	COILCRAFT	0402AF-391XJLU	
56	1	L10	2.2uH	1008	MURATA	LQM2HPN2R2MJ0L	
57	1	Q1	CSD18532Q5	SON_Q5B_8	Texas Instruments	CSD18532Q5B	
58	7	R1,R5,R11,R13,R31,R41,R92	49.9	0402	PANASONIC	ERJ-2RKF49R9X	
59	2	R6,R10	24.9	0402	PANASONIC	ERJ-2RKF24R9X	
60	0	R7,R9,R67-R70,R78,R79	0	0402	PANASONIC	ERJ-2GE0R00X_DNI	DNI
61	2	R16,R28	200	1206	PANASONIC	ERA-8AEB201V	
62	2	R17,R29	249	0402	PANASONIC	ERJ-2RKF2490X	
63	1	R18	442	1206	PANASONIC	ERJ-8ENF4420V	
64	2	R19,R27	542	0402	VISHAY DALE	TNPW0402542RBEED	
65	2	R20,R33	80.6	0402	PANASONIC	ERJ-2RKF80R6X	
66	6	R21,R23,R26,R34,R50,R91	5.1	0402	PANASONIC	ERJ-2GEJ5R1X	
67	1	R22	150	1206	PANASONIC	ERJ-8ENF1500V	
68	2	R24,R62	422	0402	PANASONIC	ERJ-2RKF4220X	
69	2	R25,R35	316	0402	PANASONIC	ERJ-2RKF3160X	
70	1	R30	442	0402	PANASONIC	ERJ-2RKF4420X	
71	1	R32	1M	0402	Vishay Dale	CRCW04021M00FKED	
72	4	R36,R37,R46,R47	402	0402	PANASONIC	ERJ-2RKF4020X	
73	4	R38,R44,R48,R54	61.9	0402	PANASONIC	ERJ-2RKF61R9X	
74	4	R39,R43,R49,R53	34.8	0402	PANASONIC	ERJ-2RKF34R8X	
75	4	R40,R42,R51,R52	162	0402	PANASONIC	ERJ-2RKF1620X	
76	6	R45,R55,R60,R61,R64,R65	100	0402	PANASONIC	ERJ-2RKF1000X	
77	3	R56,R57,R76	1k	0402	PANASONIC	ERJ-2RKF1001X	
78	1	R58	10k	0402	PANASONIC	ERJ-2RKF1002X	
79	0	R59,R63	49.9	0402	Yageo	RC0402FR-0749R9L_DNI	DNI
80	4	R71-R73,R75	22	0402	PANASONIC	ERJ-2RKF22R0X	
81	1	R81	10k	0603	PANASONIC	ERJ-3EKF1002V	
82	1	R82	25.5K	0402	Vishay Dale	CRCW040225K5FKED	
83	1	R83	34.8k	0402	PANASONIC	ERJ-2AEB3482X	
84	1	R84	12k	0402	PANASONIC	ERJ-2AEB123X	
85	1	R85	649k	0402	PANASONIC	ERJ-2RKF6493X	
86	1	R86	215k	0402	PANASONIC	ERJ-2RKF2153X	
87	1	R87	5.1k	0603	PANASONIC	ERJ-3AEB512V	

88	1	R88	0.2	0805	Vishay Dale	WSL0805R2000FEA18	Rs
89	1	R89	49.9	1206	PANASONIC	ERA-8AEB49R9V	
90	1	R90	10k	0603	PANASONIC	ERJ-3AEB103V	
91	1	SW1	SW, PUSHBUTTON	SW_RESET_PTS635	ITT Industries/C&K Div		
92	2	T1,T2	ADT1-1WT+	tfmr_6_rf_dual_footprint	MiniCircuits	ADT1-1WT+	
93	2	T3,T4	ADT4-6WT+	tfmr_6_rf_dual_footprint	Minicircuits	ADT4-6WT+	
94	8	TP1,TP2,TP4,TP5,TP7,TP11-TP13	RED	TESTPOINT_62DRILL_THM	KEYSTONE	5010	
95	6	TP3,TP6,TP8-TP10,TP14	BLK	TP_THVT_060_RND_GND	KEYSTONE	5006	
96	1	U1	OPA656NB	SO_8_197x157_50	Texas Instruments	OPA656NB/250	
97	1	U2	THS4541	VQFN_16_124X124_PWRPAD	Texas Instruments	THS4541IRGTT	
98	2	U3,U4	THS4541	QFN_10_83x83_RUN	Texas Instruments	THS4541IRUNR	
99	1	U5	ADC3422	QFN_56_319x319_0P5MM	Texas Instruments	ADC3422IRTQT	
100	1	U6	FT245RL	ssop_28_413x221_26	FTDI Chip	FT245RL-REEL	
101	1	U7	TPS2400	DBV5	Texas Instruments	TPS2400DBVT	
102	1	U8	TPS62230	SON_6_DRY_1P5MMx1P0MM	Texas Instruments	TPS62230DRYT	
103	1	U9	TPS7A8300	VQFN_20_138x138_0P50_RGR	Texas Instruments	TPS7A8300RGRT	
104	1	U10	TPS7A4901	SON_8_3MMx3MM_0p65MM	Texas Instruments	TPS7A4901DRBR	
105	1	U11	TPS60403	SOT-23_5_63x114_DBV	Texas Instruments	TPS60403DBVR	
106	1	U12	TPS7A3001	SON_8_3MMx3MM_0p65MM	Texas Instruments	TPS7A3001DRBR	
107	1	U13	INA138NA	DBV5	Texas Instruments	INA138NA/250	
108	1		BARE BOARD, TSW3422		TTM	TSW3422EVM REV E2	
109	4		SCREW PANHEAD 4-40 x 3/8		Building Fasteners	PMSSS 440 0038 PH	SCREW FOR STANDOFF
110	7	See note 3	SHUNT- HEADER		TE CONNECTIVITY	1-382811-6	OR EQUIVALENT
111	4		STANDOFF ALUM HEX 4-40 x .500		Keystone	2203	STANDOFF

NOTES:

1. DNI MEANS DO NOT INSTALL
2. USE WATER SOLUBLE FLUX DURING BOARD ASSEMBLY. ASSEMBLY MUST BE RoHS COMPLIANT AND LEAD FREE.
3. INSTALL ITEM 111:
   JP2 PINS 2-3
   JP3-JP8 PINS 1-2

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