

BILL OF MATERIALS
TSW6011 REV C 3/29/2011

RoHS COMPLIANT AND
LEAD FREE ASSEMBLY

Item Number	Quantity	Part Reference	Value	PCB Footprint	Mfr_Name	Mfr_Part_Number	Note	TI_Supplied
1	97	C1 C3 C21 C28 C30 C32 C34 C42 C43 C44 C46 C52 C58 C76 C77 C84 C96 C97 C98 C99 C100 C101 C108 C109 C110 C111 C112 C113 C114 C115 C116 C117 C118 C119 C120 C122 C124 C125 C126 C127 C130 C131 C132 C135 C137 C138 C143 C145 C147 C149 C150 C151 C152 C153 C154 C155 C156 C157 C158 C159 C160 C161 C163 C165 C166 C168 C178 C181 C185 C186 C187 C189 C190 C191 C192 C193 C194 C195 C196 C199 C200 C207 C208 C209 C210 C211 C212 C213 C214 C216 C220 C221 C222 C223 C224 C227 C236	.1uF	0402	Panasonic	ECJ-0EB1C104K		
2	9	C2 C6 C25 C50 C56 C67 C87 C140 C238	47uF	tant_b	Kemet	T494B476M010AT		
3	2	C4 C38	1uF	0603	Panasonic	ECJ-1V41E105M		
4	13	C5 C8 C15 C59 C60 C61 C62 C121 C180 C183 C188 C206 C246	.01uF	0402	Panasonic	ECJ-0EB1E103K		
5	5	C7 C9 C10 C11 C29	10uF	0603	MURATA	GRM188R60J106ME47D		
6	10	C12 C20 C33 C41 C47 C53 C68 C86 C141 C234	.1uF	0603	Murata	GRM188R71C104KA01		
7	19	C13 C16 C35 C36 C48 C49 C54 C55 C65 C69 C70 C73 C80 C81 C107 C129 C142 C197 C241	10uF	3528	Panasonic	ECS-T1AX106R	LOW ESR	
8	10	C14 C19 C22 C23 C24 C26 C45 C63 C64 C75	4.7pF	0402	MURATA	GRM1555C1H4R7CZ01D		
9	0	C17 C18	1pF	0402	AVX	04025U1R0BAT2A_DNI	DNI	
10	5	C27 C39 C136 C144 C162	1000pF	0402	PANASONIC	ECJ-0EB1E102K		
11	8	C31 C37 C40 C51 C57 C71 C83 C139 C66 C78 C79 C177 C228 C229 C230 C231	10uF	0805	Panasonic	ECJ-2FB1A106K		
12	0	C232 C233	10pF	0402	Murata	GRM1555C1H100JZ01D-DNI	DNI	
13	3	C72 C94 C218	0.047uF	0603	Murata	GRM188R71C473KA01D		
14	2	C74 C240	4.7uF	3528	KEMET	T496B475M010AT	LOW ESR	
15	16	C82 C90 C91 C92 C102 C103 C104 C105 C169 C170 C171 C172 C173 C174 C175 C176	8.2pF	0402	DIGIKEY	490-3110-2-ND		
16	2	C85 C237	10uF	1206	Panasonic	ECJ-3YB1C106K		
17	2	C88 C89	470uF	CAP_POL_299X177_449	Sanyo	6TPD470M		
18	1	C93	220uF	TANT_D	Sanyo	10TPB220M		
19	1	C95	0.012uF	0603	Murata	GRM188R71C123KA01D		
20	3	C106 C128 C198	2.2uF	3528	AVX	TAJT225K035R		
21	2	C123 C179	47pF	0402	PANASONIC	ECJ-0EC1H470J		
22	4	C133 C134 C148 C184	10uF	tant_a	Kemet	T494A106M016AS		
23	2	C146 C167	100pF	0402	Panasonic	ECJ-0EB1E101K		
24	1	C164	4.7uF	0603	AVX	06036D475KAT2A		
25	2	C182 C205	100pF	0402	Murata	GRM1555C1H010JZ01D		
26	4	C201 C202 C203 C204	10pF	0402	MURATA	GRM1555C1H100JZ01D		
27	2	C215 C217	2.0pF	0402	MURATA	GJM1555C1H2R0CB01D		
28	1	C219	68pF	0603	Murata	GRM1885C1H680JA01D		
29	0	C225 C226	.1uF	0603	Murata	GRM188R71C104KA01_DNI	DNI	
30	1	C235	6800pF	0603	Murata	GRM188R71H682KA01D	DNI	OR
31	1	C239	100pF	0603	Panasonic	ECJ-1VC1H101J	EQUIVALEN	T
32	2	C242 C245	4.7uF	0603	MURATA	GRM188R60J475KE19D		
33	1	C243	2200pF	0402	PANASONIC	ECJ-0EB1E222K		
34	2	C244 C248	4700pF	0402	TAIYO YUDEN	LMK105SD472JVF		
35	1	C247	.022uF	0402	KEMET	C0402C223K8PACTU		
36	2	C249 C250	.001uF	0402	PANASONIC	ECJ-0EB1E102K		
37	0	C251 C252	3.9pF	0402	MURATA	GJM1555C1H3R9CB01D_DNI	DNI	
38	9	D1 D2 D3 D5 D6 D8 D9 D11 D12	LED	LED_0805	PANASONIC	LNJ306G5UUX		
39	2	D4 D7	LED RED	LED_0805	PANASONIC	LNJ206R5RUX		
40	1	D10	LED	LED_0805	PANASONIC	LNJ406K54RX		
41	2	DN1 DN2	BAT54CW	SOT_323	DIODES, INC.	BAT54CW-7-F		
42	16	FB1 FB7 FB9 FB10 FB12 FB13 FB14 FB17 FB18 FB19 FB20 FB21 L1 L2 L3 L4	68 OHM @ 100MHz	1206	PANASONIC	EXC-ML32A680U		
43	9	FB2 FB3 FB4 FB5 FB6 FB8 FB11 FB15 FB16	120	0402	Murata	BLM15AG121SNIB		
44	5	J1 J4 J5 J8 J12	SMA THRU HOLE R/A HIGH	SMA_THRT_276X276	AMPHENOL CONNEX	132136		
45	2	J2 J3	FREQ SMA END LAUNCH	SMA_SMEL_218X247_096	JOHNSON COMPONENTS	142-0761-811		
46	1	J6	SMA_PCB_ THVT	SMA_THVT_312x312	Johnson Components	142-0701-201		

47	1	J7	USB_SUPE R-MINI_AB	CON_SMRT_USBMNE20_F	ACON	MNE20-5G5P10	ALTERNAT E P/N JAE --- DX3R005HN 2
48	1	J9	CONN JACK PWR	CON_RAPC722_JACK_THVT_3	Switchcraft	RAPC722	
49	4	J13 J14 J16 J17	SMA_MCX SMT_JACK REC	SMA_MCX_236X236	JOHNSON COMPONENTS	133-3711-201	
50	2	J15 J18	HTSW-105- 07-G-D	HDR_THVT_2x5_100_M	SAMTEC	HTSW-105-07-G-D	
51	1	J19	HDR,THRU HOLE, MALE, 2X20	HDR_THVT_2x20_100_M	SAMTEC	HTSW-120-08-G-D	
52	1	J21	HIGH SPEED SER DATA	CON_SMVT_120POS_QTH_SAMTEC	SAMTEC	QTH-060-02-F-D-A	
53	1	J22	HEADER, 5POS	HDR_THVT_1x5_100_M	SAMTEC	HTSW-105-07-G-S	
54	3	JP1 JP2 JP3	HEADER, 3POS	HDR_THVT_1x3_100_M	SAMTEC	HTSW-103-07-G-S	
55							
56	1	L5	4.7uH	IND_SM_UP3B	Coiltronics	UP3B-4R7-R	
57	2	L6 L7	1.8nH	ind_0402	MURATA	LQG15HS1N8S02B	
58	4	MT1 MT2 MT3 MT4	STANDOFF	MFG125_PLATED	KEYSTONE	2203	STANDOFF
59	0	PP1 PP2	PROBE POINT	PROBE_POINT_50PAD	N/A	N/A	
60	7	R1 R19 R50 R51 R52 R53 R55	100K	0603	Panasonic	ERJ-3EKF1003V	
61	3	R2 R3 R4	200K	0402	Panasonic	ERJ-2GEJ204X	
62	2	R5 R6	49.9	0402	Panasonic	ERJ-2RKF49R9X	
63	11	R7 R8 R9 R10 R11 R12 R13 R14 R15 R16	100	0402	Panasonic	ERJ-2RKF1000X	
64	1	R17	15K	0402	PANASONIC	ERJ-2GEJ153X	
65	1	R20	30K	0402	PANASONIC	ERA-2GEJ303X	
66	1	R21	10.0K	0603	Panasonic	ERJ-3EKF1002V	
67	1	R23	1.18K	0603	Panasonic	ERJ-3EKF1181V	
68	1	R24	9.76K	0603	Panasonic	ERJ-3EKF9761V	
69	1	R25	28.7K	0805	PANASONIC	ERJ-6ENF2872V	
70	1	R26	750	0603	PANASONIC	ERJ-3EKF7500X	
71	3	R27 R68 R69	0	0603	PANASONIC	ERJ-3GEY0R00V	
72	9	R28 R29 R30 R102 R104 R105 R114 R123 R130	10K	0402	Panasonic	ERJ-2RKF1002X	
73	28	R31 R48 R107 R136 R138 R140 R142 R143 R165 R166 R170 R211 R212 R213 R214 R220 R228 R229 R230 R231 R232 R233 R234 R235 R238 R239 R240 R241	0	0402	PANASONIC	ERJ-2GE0R00X	
74	1	R32	24.9	0402	PANASONIC	ERJ-2RKF24R9X	
75	1	R33	56.2K	0402	PANASONIC	ERJ-2RKF5622X	
76	4	R34 R35 R40 R41	130	0402	Panasonic	ERJ-2RKF1300X	
77	4	R36 R37 R42 R43	82.5	0402	Panasonic	ERJ-2RKF82R5X	
78	2	R38 R39	150	0402	PANASONIC	ERJ-2GEJ151X	OR EQUIVALEN T
79	0	R44 R45 R95 R96 R97 R98	150	0402	PANASONIC	ERJ-2GEJ151X_DNI	DNI
80	1	R46	1.91K	0402	Panasonic	ERJ-2RKF1911X	
81	1	R47	20.0K	0402	PANASONIC	ERJ-2RKF2002X	
82	1	R49	300	0603	Panasonic	ERJ-3EKF3000V	
83	0	R54 R173 R174 R236 R237 R245 R246 R247 R248 R249 R250 R251 R252	0	0402	Panasonic	ERJ-2GE0R00X_DNI	DNI
84	0	R56	1.5K	0402	PANASONIC	ERJ-2RKF1501X_DNI	DNI
85	4	R57 R58 R59 R60	1K	0603	Panasonic	ERJ-3EKF1001V	
86	0	R61	10K	0402	Panasonic	ERJ-2RKF1002X_DNI	DNI
87	0	R67	3.48K	0402	PANASONIC	ERJ-2RKF3481X	DNI
88	2	R76 R77	1.82K	0402	PANASONIC	ERJ-2RKF1821X	
89	0	R93 R94	15K	0402	Panasonic	ERJ-2GEJ153X_DNI	DNI
90	0	R99	49.9	0402	Panasonic	ERJ-2RKF49R9X_DNI	DNI
91	16	R100 R101 R106 R108 R109 R110 R111 R112 R115 R119 R120 R121 R122 R124 R125 R126	90.9K	0402	PANASONIC	ERJ-2RKF9092X	
92	1	R103	10	0402	PANASONIC	ERJ-2RKF10R0X	
93	3	R113 R116 R117	22.1	0402	Panasonic	ERJ-2RKF22R1X	
94	16	R127 R128 R129 R131 R132 R133 R134 R144 R145 R146 R147 R148 R149 R150 R151 R152	249	0402	Panasonic	ERJ-2RKF2490X	
95	1	R135	5.11	0402	VISHAY/DALE	CRCW04025R11FNED	
96	15	R137 R139 R153 R158 R159 R160 R164 R167 R217 R218 R219 R227 R242 R243 R244 R141 R215 R216 R221 R222 R223 R224 R225	1K	0402	Panasonic	ERJ-2RKF1001X	
97	9	R226	750	0402	Panasonic	ERJ-2RKF7500X	
98	2	R161 R168	4.75K	0402	PANASONIC	ERJ-2RKF4751X	

99	0	R169	4.75K	0402	PANASONIC	ERJ-2RKF4751X_DNI	DNI	
100	1	R175	1.69K	0603	PANASONIC	ERJ-3EKF1691V		
101	1	R176	3.3K	0603	PANASONIC	ERJ-3EKF3301V		
102	0	SJP1 SJP2 SJP3 SJP4 SJP5 SJP6 SJP7 SJP8 SJP9 SJP10	SMT_JUMP ER	JUMPER_SMD_L_0603	N/A	N/A	SEE NOTE 3	
103	1	SW1	90HBW04P T	SW_SM_LOWPROFILE_DIP_SPST_8	GRAYHILL	90HBW04PT		
104	4	SW3 SW4 SW5 SW6	SW RESET	SW_SMTV_RESET	C&K	KT11P3JM34LFS		
105	2	T1 T2	LDB212G4 005C	XFMR_6_83X53_26	MURATA	LDB212G4005C		
106	3	T3 T4 T5	TC1-1T	TFMR_5_150X150_50	MINICIRCUITS	TC1-1T		
107	6	TP1 TP2 TP3 TP5 TP8 TP12	BLK	TP_THVT_100_RND	KEYSTONE	5001		
108	7	TP4 TP6 TP7 TP9 TP10 TP11 TP13	RED	TP_THVT_100_RND	KEYSTONE	5000		
109	1	U1	TRF3711- 25	RGZ_48_276X276_0P50MM	TI	TRF3711-XX		
110	1	U10	EP3C25F25 6	BGA_256_1MM_ALTERA	ALTERA	EP3C25F256C8N		
111	2	U2 U8	RF2374	QFN_8_87X87_26	RF Micro Devices	RF2374		
112	1	U3	ADS5282	QFN_64_360X360_0P50MM_PWRPAD	TI	ADS5282IRGCR		
113	1	U4	DAC56X2	TQFP_48_284X284_20	TI	DAC5672IPFBR		
114	1	U5	CDCE6200 5	QFN_48_281X281_0P50MM_RGZ	TI	CDCE62005RGZT		
115	1	U6	MC14490F	SOEIAJ_16_413x215_50	ON Semiconductors	MC14490F		
116	1	U7	FT245RL	ssop_28_413x220_26	FTDI Chip	FT245RL		
117	1	U9	TPS54610P WP	HTSSOP_28_386x177_26_pwrpad	TI	TPS54610PWP		
118	4	U11 U12 U15 U16	TPS76733 QPWP	HTSSOP_20_260x177_26_pwrpad	TI	TPS76733QPWP		
119	1	U13	TPS76033	SOP_5_118X67_37	TI	TPS76033DBV		
120	1	U14	TPS76750 QPWP	HTSSOP_20_260x177_26_pwrpad	TI	TPS76750QPWP		
121	1	U17	TPS76718 QPWP	HTSSOP_20_260x177_26_pwrpad	TI	TPS76718QPWP		
122	1	U18	TPS76725 QPWP	HTSSOP_20_260x177_26_pwrpad	TI	TPS76725QPWP		
123	1	U20	EPCS16	SOIC_8_197x157_50	ALTERA	EPCS16S18N		
124	1	U21	LP2985-50	SOT_5_120X69_37	TI	LP2985-50DBVR		
125	1	Y2	30.72MHz	osc_smt_pe7745d_6	PLETRONICS	PE9945DEV		
126	1	Y3	OSC- VECTRON	OSC_4_SM_460x386	VECTRON	VTD3-J0BC-10M000	Updated 3/29/11	YES
127	0	Y4	OSC- VECTRON	XTAL_4_SM_203x132	VECTRON	VTC4-B01C-10.000	DNI	
128	4	FOR THE STANDOFFS	SCREW PANHEAD 4-40 x 3/8"		Building Fasteners	PMSSS 440 0038 PH	OR EQUIVALEN T	
129	3	SEE NOTE 4	SHUNT- HEADER		KELTRON	MJ-5.97-G	OR EQUIVALEN T	
130	8	SEE NOTE 3	SHUNT- HEADER		PANASONIC	ERJ-3GEY0R00V		
131	1	TSW6011 BARE BOARD			TI	TSW6011 REV C		

NOTES:

1. DNI = DO NOT INSTALL COMPONENT.
2. RoHS COMPLIANT AND LEAD FREE ASSEMBLY.
3. INSTALL ITEM 130:
 - SJP1 2-3
 - SJP2 1-2
 - SJP4 2-3
 - SJP6 2-3
 - SJP7 1-2
 - SJP8 1-2
 - SJP9 1-2
 - SJP10 2-3
4. INSTALL ITEM 129:
 - JP1 1-2
 - JP2 2-3
 - JP3 1-2
5. USE WATER SOLUBLE FLUX DURING BOARD ASSEMBLY.

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