

BILL OF MATERIALS  
TSW3725 REV B 09/26/2012

RoHS COMPLIANT AND  
LEAD FREE ASSEMBLY

Item Number	Quantity	Note	Part Reference	Value	PCB Footprint	Mfr Name	Mfr Part Number
1	19		C1 C2 C3 C4 C5 C6 C10 C11 C13 C22 C27 C28 C29 C31 C37 C39 C40 C41 C46	.22uF	0201	TAIYO YUDEN	JMK063BJ224MP-F
2	18		C7 C8 C14 C15 C16 C17 C18 C19 C20 C21 C23 C24 C25 C26 C42 C43 C44 C47	.1uF	0201	TAIYO YUDEN	JMK063BJ104KP-F
3	13	LOW ESR	C9 C12 C30 C36 C128 C130 C135 C136 C570 C572 C629 C630 C711	10uF	TANT_B	AVX	TPSB106K020R1000
4	131		C32 C34 C35 C38 C107 C114 C126 C133 C138 C142 C161 C162 C164 C165 C166 C168 C169 C185 C198 C205 C212 C218 C226 C235 C237 C238 C241 C242 C247 C248 C249 C250 C251 C252 C254 C255 C257 C258 C259 C262 C268 C269 C270 C272 C273 C275 C278 C281 C283 C284 C285 C287 C288 C289 C290 C291 C292 C293 C294 C296 C297 C298 C299 C300 C301 C302 C304 C312 C333 C334 C335 C336 C386 C387 C388 C389 C412 C417 C424 C432 C438 C449 C457 C459 C466 C471 C472 C473 C474 C475 C476 C477 C498 C499 C508 C517 C523 C524 C525 C526 C527 C528 C529 C530 C531 C532 C561 C566 C574 C577 C600 C601 C617 C621 C622 C623 C624 C625 C626 C627 C632 C638 C643 C647 C728 C729 C730 C731 C732 C733 C734	.1uF	0402	MURATA	GRM155R61A104KA01D
5	36		C33 C45 C60 C64 C86 C89 C147 C155 C196 C200 C329 C347 C354 C361 C381 C458 C460 C461 C464 C465 C467 C470 C496 C509 C511 C513 C515 C516 C518 C521 C555 C590 C592 C594 C609 C610 C48 C49 C103 C108 C111 C115 C119 C120 C123 C127 C170 C171 C172 C173 C174 C175 C176 C177 C178 C179 C180 C181 C182 C183 C187 C188 C189 C190 C191 C192 C193 C194 C195 C199 C206 C207 C214 C219 C220 C223 C228 C231 C236 C314 C402 C405 C413 C418 C419 C425 C426 C439 C440 C442 C446 C450 C452 C456 C500 C501 C504 C505 C507 C510 C522 C533 C534 C567 C568 C578 C639 C640 C644 C645 C649 C650 C661 C662 C663 C664 C665 C666 C667 C668 C669 C670 C674 C675 C681 C682 C683 C693 C694 C695 C696 C703 C704 C712	1000pF	0402	MURATA	GRM155C1H102JA01D
6	98		C172 C173 C174 C175 C176 C177 C178 C179 C180 C181 C182 C183 C187 C188 C189 C190 C191 C192 C193 C194 C195 C199 C206 C207 C214 C219 C220 C223 C228 C231 C236 C314 C402 C405 C413 C418 C419 C425 C426 C439 C440 C442 C446 C450 C452 C456 C500 C501 C504 C505 C507 C510 C522 C533 C534 C567 C568 C578 C639 C640 C644 C645 C649 C650 C661 C662 C663 C664 C665 C666 C667 C668 C669 C670 C674 C675 C681 C682 C683 C693 C694 C695 C696 C703 C704 C712	10nF	0402	TDK CORP	C1005X7R1E103K
7	16		C50 C54 C71 C75 C76 C80 C97 C101 C321 C325 C327 C338 C373 C377 C379 C391	1uF	0402	MURATA	GRM155R60J105KE19D
8	10		C51 C52 C72 C73 C77 C78 C98 C99 C163 C167	3.3pF	0402	MURATA	GJM1555C1H3R3CB01D
9	0	DNI	C53 C74 C79 C100	DNI	0402	PANASONIC	ECJ-0EB1A104K_DNI
10	42		C55 C81 C104 C106 C109 C113 C125 C186 C201 C204 C211 C215 C217 C225 C227 C234 C295 C309 C311 C408 C409 C411 C415 C420 C421 C423 C430 C434 C435 C437 C448 C469 C520 C535 C562 C565 C576 C634 C637 C641 C642 C648	1uF	0603	MURATA	GRM188R61E105KA12D
11	44		C56 C82 C105 C110 C112 C116 C124 C131 C137 C141 C203 C210 C216 C221 C224 C233 C246 C253 C263 C267 C282 C306 C310 C400 C410 C414 C416 C422 C429 C431 C433 C436 C443 C447 C453 C506 C536 C560 C564 C573 C575 C631 C636 C646	10uF	1206	AVX	1206YC106KAT2A
12	16		C57 C62 C65 C83 C90 C91 C202 C209 C213 C313 C563 C635 C684 C685 C698 C705	4.7uF	TANT_A	AVX	TAJA475K020R
13	12		C58 C59 C61 C63 C69 C70 C84 C85 C87 C88 C95 C96	4.7pF	0402	TAIYO YUDEN	UVK105CH4R7JWF
14	22		C66 C67 C92 C93 C151 C160 C339 C350 C353 C357 C360 C364 C367 C382 C392 C479 C488 C539 C546 C593 C596 C599	22pF	0402	AVX	04025A220JAT2A
15	12		C68 C94 C145 C154 C331 C341 C343 C346 C384 C394 C396 C399 C102 C118 C208 C406 C427	100pF	0402	MURATA	GRM1555C1H101JZ01D
16	5		C102 C118 C208 C406 C427	2.2uF	TANT_A	AVX	TAJA225K010RNJ
17	11		C117 C122 C222 C230 C308 C401 C404 C441 C445 C451 C454	22uF	1206	MURATA	GRM31CR60J226KE19L
18	6		C121 C229 C307 C403 C444 C454	33pF	0603	Johanson Technology	251R14S330GV4T
19	4		C129 C134 C569 C628	.1uF	0603	MURATA	GRM188R71C104KA01
20	17	OR EQUIVALENT	C132 C139 C140 C184 C265 C266 C320 C330 C342 C372 C383 C395 C407 C428 C559 C571 C633	47uF	TANT_B	AVX	TPSB476K010R0500
21	2		C143 C152	2.2uF	0805	TAIYO YUDEN	TMK212BJ225KG-T
22	2		C144 C153	.1uF	0805	MURATA	GRM21BR71H104KA01L
23	8		C146 C156 C328 C348 C355 C362 C380 C595	1uF	0805	MURATA	GRM21BR71C105KA01L
24	0	DNI	C148 C157 C484 C485 C543 C544 C586 C608 L81	DNI	0603	DNI	DNI
25	4		C149 C150 C158 C159	20pF	0402	MURATA	GRM1555C1H200JZ01D
26	0	DNI	C197	2.0pF	0402	AVX CORP	04025U2R0BAT2A_DNI
27	2		C232 C315	0.01uF	0603	KEMET	C0603C103K1RACTU
28	0	DNI	C239 C240 C243 C244 C463 C514 C591 C720 C721 C722 C723 C724 C725	DNI	0402	DNI	DNI
29	2		C245 C286	10nF	0603	AVX CORP	06035C103KAZ2A
30	4		C261 C264 C279 C280	.4pF	0402	JOHANSON TECH	500R07SOR4AV4T

OR EQUIVALENT

UPDATED 10/14/11

31	1		C271	.022uF	0402	AVX Corporation	0402YC223KAT2A
32	2		C274 C305	100pF	0603	MURATA	GRM1885C1H101JA01D
33	1		C303	22uF	0805	TAIYO YUDEN	JMK212BJ226KGT
34	2		C316 C368	.022uF	0402	MURATA	GRM155R71C223KA01D
35	1		C317	2200pF	0402	MURATA	GRM155R71H222KA01D
36	4		C318 C319 C370 C371	220pF	0402	MURATA	GRM1555C1H221JA01D
37	20		C322 C324 C326 C332 C337 C340 C344 C345 C374 C376 C378 C385 C390 C393 C397 C398 C706 C707 C708 C709	4.7pF	0402	MURATA	GRM1555C1H4R7CZ01D
38	0	DNI	C323 C375	4.7pF	0402	MURATA	GRM1555C1H4R7CZ01D_DNI
39	9		C349 C351 C352 C356 C358 C359 C363 C365 C366	68pF	0402	MURATA	GRM1555C1H680JZ01D
40	1		C369	2200pF	0402	MURATA	GRM155R71H22KA01D
41	2		C462 C512	3.9pF	0402	AVX	04025A3R9BAT2A
42	2		C468 C519	82pF	0603	MURATA	GQM1885C1H820JB01D
43	0	DNI	C478 C480 C490 C491 C537 C538 C549 C550	DNI	0402	AVX	04025A270JAT2A_DNI
44	4		C481 C486 C540 C547	27pF	0402	AVX	04025A270JAT2A
45	8		C482 C483 C487 C489 C541 C542 C545 C548	1000pF	0603	MURATA	GRM1885C2A102JA01D
46	8		C492 C493 C502 C503 C551 C552 C557 C558	7pF	0603	MURATA	GQM1885C1H7R0CB01D
47	4		C494 C497 C553 C556	15pF	0603	MURATA	GQM1885C1H150JB01D
48	2		C495 C554	39pF	0603	MURATA	GQM1885C1H390JB01D
49	6		C579 C581 C582 C583 C587 C589	22pF	0603	MURATA	GQM1885C1H220JB01D
50	3		C580 C585 C588	0.01uF	0603	KEMET	C0603C103J1RACTU
51	1		C584	4.0pF	0603	MURATA	GQM1885C2A4R0CB01D
52	2		C597 C598	4.7uF	0402	MURATA	GRM155R60J475ME87D
53	4		C602 C603 C618 C619	24pF	0402	TDK CORP	C1005C0G1H240J
54	53		C604 C620 L2 L4 L8 L10 L12 L14 L18 L20 L74 L93 R6 R23 R50 R71 R75 R76 R80 R93 R94 R95 R118 R119 R130 R132 R151 R157 R171 R179 R190 R195 R197 R204 R206 R220 R241 R244 R249 R277 R280 R306 R318 R332 R335 R338 R339 R340 R350 R351 R370 R381 R382	0	0402	PANASONIC	ERJ-2GE0R00X
55	2		C605 C607	11pF	0603	JOHANSON TECH	251R14S110GV4T
56	1		C606	18pF	0603	JOHANSON TECH	251R14S180GV4T
57	4		C611 C714 C718 C719	10pF	0402	MURATA	GRM1555C1H100JZ01D
58	2		C612 C616	12pF	0402	MURATA	GJM1555C1H120JB01D
59	29		C613 C614 C615 C651 C652 C653 C654 C655 C656 C657 C658 C659 C660 C671 C672 C673 C676 C677 C678 C679 C680 C690 C691 C692 C697 C701 C702 C716 C717	.1uF	0402	MURATA	GRM155R71C104KA88D
60	3		C686 C689 C700	.022uF	0201	TDK CORP	C0603X5R0J223K
61	3		C687 C688 C699	.047uF	0201	TDK CORP	C0603X5R0J473K
62	1		C710	4.7pF	0603	MURATA	GQM1885C2A4R7BB01D
63	2		C713 C715	47pF	0402	AVX	04025A470JAT2A
64	2		C726 C727	4.7uF	0603	AVX	06036D475KAT2A
65	10		D1 D2 D3 D4 D5 D6 D11 D12 D13 D14	LED GREEN	LED_0805	PANASONIC	LNJ306G5UUX
66	1		D7	LED AMBER	LED_0805	PANASONIC	LNJ406K54RX
67	1		D8	LED RED	LED_0805	LITE ON	LTST-C170KRKT
68	1		D10	LED BLUE	LED_0805	PANASONIC	LNJ906W5BUX
69	2		DN1 DN2	BAT54CW	SOT_323	DIODES, INC.	BAT54CW-7-F
70	2		F1 F2	6.3 AMP FUSE	NANO SMF	Littelfuse	015406.3
71	25		FB1 FB6 FB7 FB10 FB11 FB12 FB13 FB14 FB16 FB18 FB21 FB22 FB23 FB25 FB27 FB29 FB49 FB51 FB53 FB56 FB67 FB69 FB74 FB75 FB76	1K	1806	MURATA	BLM41PG102SN1L
72	9		FB2 FB3 FB4 FB5 FB50 FB52 FB65 FB68 FB72	68 OHM @ 100MHz	1206	PANASONIC	EXC-ML32A680U
73	14		FB8 FB9 FB20 FB24 FB26 FB28 FB47 FB48 FB54 FB55 FB57 FB58 FB66 FB73	27uF	1206_BEAD_NFM31P	MURATA	NFM31PC276B0J3
74	13		FB15 FB17 FB37 FB38 FB39 FB59 FB60 FB61 FB62 FB63 FB64 FB70 FB71	600 OHMS @ 100MHz	0603	MURATA	BLM18AG601SN1D
75	14		FB30 FB31 FB32 FB33 FB34 FB35 FB36 FB40 FB41 FB42 FB43 FB44 FB45 FB46	1K	IND_0402	MURATA	BLM15HG102SN1D
76	2		FB78 FB79	120	0402	MURATA	BLM15AG121SN1B
77	3		FL1 FL2 FL3	LFCN-1800D+	FILTER_4_SM_LFCN	MINI-CIRCUITS	LFCN-1800D+
78	2		FL4 FL5	856697	RF_FILTER_SM_10_358X189	TriQuint	856697
79	0	DNI	FL6 FL7	30.72MHz	FILTER_SM_244X283_6_CUSTOM	EPSON TOYOCOM	MF-722A_DNI
80	0	DNI	FL8 FL9	204.8MHz	FILTER_SM_122X122_8	GOLLEGE	MP03440_DNI
81	2		FL10 FL11	204.8MHz	FILTER_SM_197X276_10	GOLLEGE	MP03440
82	7		J1 J3 J15 J24 J25 J34 J35	MM8430_2600RA1	CON_SMVT_MURATA_MM8430-2600RA1	MURATA	MM8430-2600RA1
83	2		J2 J4	SMA, HIGH FREQ, END LAUNCH, R/A	SMA_THRT_276X276	AMPHENOL CONNEX	132136
84	1		J5	CONN JACK PWR	CON_RAPC722_JACK_THVT_3	SWITCHCRAFT	RAPC722
85	1		J6	RED	JACK_THVT_BANANA_250DIA	SPC TECHNOLOGY	SPC15363
86	1		J7	BLK	JACK_THVT_BANANA_250DIA	SPC TECHNOLOGY	SPC15354
87	6		J9 J12 J18 J19 J30 J38	SMA_MCX_SMT_JACK_REC	SMA_MCX_236X236	JOHNSON COMPONENTS	133-3711-201
88	5		J10 J17 J21 J27 J28	SMA THRU HOLE R/A	SMA_THRT_276X276	AMPHENOL CONNEX	132136

OR EQUIVALENT

updated 3/9/12

Updated 9/20/11

89	1		J32	HMTSW-119-07-G-D-.240	HDR_THVT_2x19_100_M	SAMTEC	HMTSW-119-07-G-D-.240
90	1		J33	USB_SUPER-MINI_AB	CON_SMRT_USBMNE20_F	ACON	MNE20-5G5P10
91	2		J36 J37	HTSW-105-07-G-D	HDR_THVT_2x5_100_M	SAMTEC	HTSW-105-08-G-D
92	1		J8	QTH-090-09-L-D-A	CON_SMVT_180POS_QTH_SAMTEC	SAMTEC	QTH-090-09-L-D-A
93	1		JP1	HDR, THVT, 2POS	HDR_THVT_1X2_100_M	SAMTEC	HTSW-102-08-G-S
94	1		JP2	HEADER, 3POS	HDR_THVT_1x3_100_M	SAMTEC	HTSW-103-08-G-S
95	10		L1 L3 L7 L9 L11 L13 L17 L19 L82 L87	33nH	ind_0402	COILCRAFT	0402CS-33NXGL
96	4		L5 L6 L15 L16	40nH	0402	COILCRAFT	0402CS-40NXGLU
97	11		L21 L22 L25 L26 L33 L37 L38 L39 L40 L41 L42	2.2uH	LPS3015	COILCRAFT	LPS3015-222ML
98	2		L23 L24	5.6nH	ind_0402	TOKO	LL1005-FHL5N6S
99	5		L27 L28 L29 L30 L31	68	1206	PANASONIC	EXC-ML32A680U
100	2		L32 L71	40nH	0402	Coilcraft	0402CS-40NXJLW
101	3		L34 L35 L36	82nH	0805	COILCRAFT	0805CS-820XGL
102	10		L43 L50 L51 L55 L56 L57 L64 L65 L69 L70	180nH	0603	COILCRAFT	0603CS-R18XGL
103	4		L44 L49 L58 L63	0	ind_0603	PANASONIC	ERJ-3GEY0R00V
104	2		L45 L59	68nH	0603	COILCRAFT	0603CS-68NXGLU
105	2		L46 L60	56nH	0603	COILCRAFT	00603CS-56NXGLU
106	0	DNI	L47 L48 L61 L62	DNI	0603	COILCRAFT	TBD
107	4		L52 L54 L66 L68	82nH	0603	COILCRAFT	0603CS-82NXGL
108	2		L53 L67	27nH	0603	COILCRAFT	0603CS-27NXGL
109	4		L72 L73 L91 L92	56nH	0402	COILCRAFT	0402CS-56NXGL
110	2		L78 L80	120nH	0603	COILCRAFT	0603CS-R12XGL
111	1		L79	72nH	0603	COILCRAFT	0603CS-72NXGL
112	4		L83 L84 L85 L86	120nH	0402	COILCRAFT	0402CS-R12XGL
113	6	OR EQUIVALENT	MT1 MT2 MT3 MT4 MT5 MT6	STANDOFF, M/F, 4-40THR, 1/2" SS	MFG125_PLATED	KEYSTONE	2088
114	0		PP1 PP6 PP7	PROBE POINT	PROBE_POINT_50PAD	N/A	N/A
115	0		PP3 PP4 PP5 PP8 PP9 PP10 PP11 PP12 PP13 PP14 PP15 PP16 PP17 PP18 PP19 PP20 PP21 PP22 PP23 PP24 PP25 PP26 PP27 PP28 PP29 PP30 PP31 PP32 PP33 PP34 PP35 PP36 PP37 PP38	PROBE POINT	PROBE_POINT_30PAD	N/A	N/A
116	1		Q1	FDMA7632	MOSFET_6_2MMX2MM_0P65	FAIRCHILD SEMI	FDMA7632
117	24		R1 R7 R12 R18 R28 R34 R39 R45 R55 R61 R123 R191 R270 R271 R301 R302 R310 R311 R312 R328 R364 R365 R369 R371 R2 R11 R17 R22 R24 R25 R27 R33 R38 R44 R49 R51 R52 R54 R60 R72 R73 R77 R78 R96 R125 R126 R133 R134 R138 R139 R140 R141 R143 R144 R145 R146 R160 R161 R172 R173 R182 R194 R207 R221 R222 R242 R243 R246 R247 R248 R250 R251 R273 R274 R276 R278 R279 R281 R282 R307 R341 R352 R353 R376 R377 R378 R379 R380 R382 R385 R386 R387 R388	1K	0402	Panasonic	ERJ-2RKF1001X
118	0	DNI	R382 R385 R386 R387 R388	0	0402	PANASONIC	ERJ-2GE0R00X_DNI
119	1		R3	1.27K	0402	Panasonic	ERJ-2RKF1271X
120	1		R4	10	0402	Vishay/Dale	CRCW040210R0FKED
121	4		R5 R189 R192 R193	750	0402	Panasonic	ERJ-2RKF7500X
122	1		R8	100	0402	Panasonic	ERJ-2RKF1000X
123	8		R9 R74 R79 R174 R223 R309 R334 R342	4.75K	0402	PANASONIC	ERJ-2RKF4751X
124	0	DNI	R10 R322 R323	1K	0402	Panasonic	ERJ-2RKF1001X_DNI
125	8		R13 R21 R29 R37 R40 R48 R56 R64	2.74K	0402	PANASONIC	ERJ-2RKF2741X
126	16		R14 R15 R19 R20 R30 R31 R35 R36 R41 R42 R46 R47 R57 R58 R62 R63	47.5	0402	PANASONIC	ERJ-2RKF47R5X
127	0	DNI	R16 R32 R43 R59 R102 R107	100	0402	PANASONIC	ERJ-2RKF1000X_DNI
128	11		R26 R53 R83 R85 R89 R91 R101 R106 R178 R226 R228	49.9	0402	Panasonic	ERJ-2RKF49R9X
129	6		R65 R112 R164 R229 R230 R239	806K	0402	PANASONIC	ERJ-2RKF8063X
130	1		R66	191K	0402	Vishay/Dale	CRCW0402191KFKED
131	5		R67 R115 R166 R231 R232	130K	0402	PANASONIC	ERJ-2RKF1303X
132	1		R68	182K	0402	Vishay/Dale	CRCW0402182KFKED
133	4		R69 R70 R304 R333	100K	0603	Panasonic	ERJ-3EKF1003V
134	4		R81 R86 R87 R92	4.99	0402	VISHAY/DALE	CRCW04024R99FKED
135	7		R82 R84 R88 R90 R329 R330 R363	24.9	0402	PANASONIC	ERJ-2RKF24R9X
136	1		R97	510	0603	PANASONIC	ERJ-3EKF5100V
137	2		R98 R155	1K	0603	PANASONIC	ERJ-3EKF1001V
138	0	DNI	R99 R104 R105 R108 R252 R253 R255 R261 R262 R266 R268 R269 R283 R284 R286 R292 R293 R297 R299 R300 R345 R347	0	0603	PANASONIC	ERJ-3GEY0R00V_DNI
139	2		R100 R109	5.60	0402	PANASONIC	ERJ-2GEJ5R6X
140	13		R103 R257 R258 R263 R264 R288 R289 R295 R296 R327 R344 R346 R359	0	0603	PANASONIC	ERJ-3GEY0R00V
141	2		R110 R113	12.7K	0603	PANASONIC	ERJ-3EKF1272V
142	5		R111 R116 R167 R305 R337	10K	0603	PANASONIC	ERJ-3EKF1002V
143	1		R114	665K	0402	PANASONIC	ERJ-2RKF6653X
144	3		R117 R234 R240	180K	0402	PANASONIC	ERJ-2RKF1803X
145	5		R120 R121 R122 R135 R136	10K	0603	DALE	CRCW060310K0FKEA
146	1		R124	15K	0402	PANASONIC	ERJ-2GEJ153X

Updated 9/26/12

updated 3/9/12

147	2		R127 R154	750	0603	DALE	CRCW0603750RFKEA
148	0	DNI	R128 R129 R131	10K	0603	DALE	CRCW060310K0FKEA_DNI
149	4		R137 R142 R147 R148	121	0402	PANASONIC	ERJ-2RKF1210X
150	5		R149 R150 R331 R360 R366	10K	0402	PANASONIC	ERJ-2RKF1002X
151	0	DNI	R152 R153 R214 R215	150	0402	PANASONIC	ERJ-2RKF1500X_DNI
152	1		R156	7.15K	0603	Yageo	RT0603DRD077K15L
153	2		R158 R162	130	0603	DALE	CRCW0603130RFKEA
154	2		R159 R163	82	0603	DALE	CRCW060382R0FKEA
155	3		R165 R303 R336	30.9K	0603	PANASONIC	ERJ-3EKF3092V
156	4		R168 R169 R217 R218	475	0402	PANASONIC	ERJ-2RKF4750X
157	2		R170 R219	470	0402	PANASONIC	ERJ-2RKF4700X
158	4		R175 R176 R224 R225	75	0402	PANASONIC	ERJ-2RKF75R0X
159	2		R177 R227	301	0402	PANASONIC	ERJ-2RKF3010X
159A	1		R180	71.5	0402	PANASONIC	ERJ-2RKF71R5X
160	3		R181 R196 R205	18	0402	PANASONIC	ERJ-2RKF18R0X
160A	2		R183 R184	95.3	0402	PANASONIC	ERJ-2RKF95R3X
161	0	DNI	R187 R188 R198 R199 R202 R203 R208 R209 R212 R213	221	0402	PANASONIC	ERJ-2RKF2210X_DNI
162	6		R185 R186 R200 R201 R210 R211	294	0402	PANASONIC	ERJ-2RKF2940X
163	1		R233	357K	0402	PANASONIC	ERJ-2RKF3573X
164	1		R235	165K	0402	PANASONIC	ERJ-2RKF1653X
165	1		R236	249K	0402	PANASONIC	ERJ-2RKF2493X
166	1		R237	634K	0402	PANASONIC	ERJ-2RKF6343X
167	1		R238	200K	0402	PANASONIC	ERJ-2RKF2003X
168	0	DNI	R245 R275	10K	0402	PANASONIC	ERJ-2RKF1002X_DNI
169	4		R254 R265 R285 R294	17.8	0603	PANASONIC	ERJ-3EKF17R8V
170	4		R256 R267 R287 R298	24.9	0603	PANASONIC	ERJ-3EKF24R9V
171	4		R259 R260 R290 R291	590	0603	PANASONIC	ERJ-3EKF5900V
172	1		R272	3.3K	0603	PANASONIC	ERJ-3EKF3301V
173	1		R308	549	0603	PANASONIC	ERJ-3EKF5490V
174	1		R313	37.4	0402	PANASONIC	ERJ-2RKF37R4X
175	4		R315 R316 R348 R349	150	0402	PANASONIC	ERJ-2RKF1500X
176	2		R324 R325	1M	0402	PANASONIC	ERJ-2RKF1004X
177	1		R326	1.69K	0603	PANASONIC	ERJ-3EKF1691V
178	0	DNI	R343	4.75K	0402	PANASONIC	ERJ-2RKF4751X_DNI
179	1		R362	750	0603	PANASONIC	ERJ-3EKF7500X
180	5		R367 R372 R373 R374 R375	22.1	0402	PANASONIC	ERJ-2RKF22R1X
181	0	DNI	R368	169K	0402	PANASONIC	ERJ-2RKF1693X_DNI
182	8		RN1 RN2 RN3 RN4 RN5 RN6 RN7 RN8	0 OHM	RNET4_8_0603	PANASONIC	EXB-V8VR000V
183	4		RN9 RN10 RN11 RN12	22	rnet8_16_0603	CTS	742C163220JPTR
184	1	TI SUPPLIED	SH1 SH2 SH3 SH4 SH5 SH6 SH7 SH8 SH9 SH10 SH11 SH13 SH14	RF SHIELD, LARGE	MFG053_PTH	LEADER TECH	SL-10828
185	1	TI SUPPLIED	SH12 SH15 SH16 SH17 SH18 SH19 SH20 SH21	RF SHIELD, SMALL	MFG053_PTH	LEADER TECH	SL-10827
186	0		SJP1	JUMPER_1x3_SMT	SJP3_JUMPER	DNI	DNI
187	0		SJP2 SJP3 SJP4 SJP5 SJP6 SJP7 SJP8 SJP9 SJP10 SJP11 SJP12 SJP13 SJP14 SJP15 SJP16 SJP17 SJP18 SJP19	Jumper_L_0402_SMT	SMD_JUMPER_L_0402	DNI	DNI
188	0		SJP20	SMT_JUMPER	JUMPER_SMD_L_0603	N/A	N/A
189	1		SW1	SW RESET	SW_SMVT_RESET	C&K	KT11P3JM
190	1		SW2	SMT, LOW PROFILE, SPST	SW_SM_LOWPROFILE_DIP_SPST_8	GRAYHILL	90HBW04PT
191	2		T1 T2	ADT4-1WT	XFMR_6_310X220_100	MINI-CIRCUITS	ADT4-1WT
192	2		T3 T4	SP-2P1+	XFMR_6_122x67_37	MINI-CIRCUITS	SP-2P1+
193	6		T5 T7 T8 T9 T11 T12	TC2-1T+	XFMR_5_150X150_50_AT224	MINI-CIRCUITS	TC2-1T+
194	2		T6 T10	TC4-1T	XFRM_5_150X150_50_AT224	MINI-CIRCUITS	TC4-1T
195	2		T13 T14	ADT2-1T-1P	TFMR_6_220x310_100	MINICIRCUITS	ADT2-1T-1P
196	1		T15	TC1-1T+	XFMR_5_150X150_50_AT224	MINI-CIRCUITS	TC1-1T+
197	8		TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8	BLK	TP_THVT_100_RND	KEYSTONE	5001
198	1		TP9	ORN	TP_THVT_100_RND	KEYSTONE	5003
199	4		TP10 TP11 TP12 TP13	RED	TP_THVT_100_RND	KEYSTONE	5000
200	2		U2 U3	TRF3703-15	QFN_24_163x163_0p50mm_pwrpad	TI	TRF370315IRGET
201	1		U4	TPS79633	SOT_223_6_TG	TI	TPS79633DCQ
202	6		U5 U21 U24 U32 U38 U39	TPS62420	SON_DRC_10	TI	TPS62420DRCT
203	1		U6	TPS71712	SOP_5_85X55_26	TI	TPS71712DCK
204	4		U7 U8 U46 U51	TPS76750QPWP	HTSSOP_20_260x177_26_pwrpad	TI	TPS76750QPWP
205	2		U9 U12	PE43701	QFN_32_197X197_20_PWRPAD	PEREGRINE SEMI	PE43701MLI
206	2		U10 U11	MGA-30689	SOT_89_4321	AVAGO TECHNOLOGIES	MGA-30689
207	1		U13	ADS4249	QFN_64_360X360_0P50MM_RGC	TI	ADS4249IRGC
208	0	DNI	U14 U15	SN74AVC16T245	TSSOP_48_496x244_20	Texas Instruments	SN74AVC16T245DGGR_DNI
209	1		U16	TPS2400	SOT_23_5	TI	TPS2400DBV
210	1		U17	ADS4149	QFN_48_281X281_0P50MM_RGZ	TI	ADS4149IRGZ
211	5		U18 U22 U25 U47 U52	TPS7A8001	SON_8_3MMX3MM_0P65MM	TI	TPS7A8001DRB
212	1	TI_Supplied	U19	TPS79618	SOT_223_6_TG	Texas Instruments	TPS79618DCQ

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213	1		U1	DAC3484	PWQFN88_p6mm	TI	DAC3484IRKD
214	1		U20	TPS71733	SOP_5_85X55_26	TI	TPS71733DCK
215	1		U23	CDCE72010	QFN_64_360X360_0P50MM_RGC	TI	CDCE72010RGCT
216	1		U26	EP4CE10F17	BGA_256_1MM_ALTERA	ALTERA	EP4CE10F17I8LN
217	2		U27 U31	TRF3720	QFN_48_281X281_0P50MM_RGZ	TI	TRF372017IRGZ
218	3		U28 U29 U30	SBB-5089Z	SOT_89_4321	SIRENZA	SBB-5089Z
219	2		U33 U36	TPS73533	SON_8_3MMX3MM_0P65MM	TI	TPS73533DRBT
220	3		U40 U43 U50	PGA870	QFN_28_202x202_0p50mm_pwrpad	TI	PGA870IRHD
221	2		U41 U44	LT5557	QFN_16_161x161_0p65	Linear Technology	LT5557EUF#PBF
222	2		U42 U45	THS770012	QFN_24_163x163_0p50mm_RGE	TI	THS770012IRGER
223	1		U48	MAX2041	QFN_20_199x199_0P65mm	MAXIM	MAX2041ETP+
224	1		U49	PE4257	QFN_20_157x157_20_PE4257	PEREGRINE SEMI	PE4257
225							
226	1		U53	FT245RL	ssop_28_413x220_26	FTDI CHIP	FT245RL
227	1		U54	LP2985-50	SOT_5_120X69_37	TI	LP2985-50DBVR
228	1		U55	EPCS4S18N	SOIC_8_197x157_50	ALTERA	EPCS4S18N
229	3		VR1 VR2 VR3	TPS71750	SON_6_1P5MMX1P5MM	TI	TPS71750DSER
230	1	OR EPSON TOYOCOM TXO- 2111T 614.400MHz	Y1	614.4MHz	VCXO_6_CUSTOM	VECTRON	VS702-ECE-KXAA-614M400000
231	1			BARE BOARD		MEI	TSW3725 REV B
232	6			SCREW PANHEAD 4-40 X 3/8"		ANY VENDOR	ANY VENDOR
233	2	SEE NOTE 4		SHUNT-HEADER		KELTRON	MJ-5.97-G
234	19	SEE NOTE 5		SHUNT-JUMPER-0402		PANASONIC	ERJ-2GE0R00X
235	1	SEE NOTE 6		SHUNT-JUMPER-0603		PANASONIC	ERJ-3GE0R00X

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NOTES:

1. DNI = DO NOT INSTALL THIS ITEM.

2. RoHS COMPLAINT AND LEAD FREE ASSEMBLY.  
3. USE WATER SOLUBLE FLUX DURING BOARD ASSEMBLY.  
4. INSTALL ITEM 233:

JP1 PINS 1-2  
JP2 PINS 1-2

5. INSTALL ITEM 234:

SJP1 PINS 2-3  
SJP2 PINS 1-2  
SJP3 PINS 2-3  
SJP4 PINS 2-3  
SJP5 PINS 2-3  
SJP6 PINS 1-2  
SJP7 PINS 1-2  
SJP8 PINS 1-2  
SJP9 PINS 2-3  
SJP10 PINS 2-3  
SJP11 PINS 2-3  
SJP12 PINS 1-2  
SJP13 PINS 1-2  
SJP14 PINS 2-3  
SJP15 PINS 2-3  
SJP16 PINS 1-2  
SJP17 PINS 2-3  
SJP18 PINS 1-2  
SJP19 PINS 1-2

6. INSTALL ITEM 235:

SJP20 PINS 1-2

7. INSTALL THE M/F STANDOFF TO THE BOARD AND THEN INSTALL THE F/F STANDOFF ON THE M/F STANDOFF.  
8. REMOVE THE METAL TAB ON BOTH BANANA JACKS BEFORE MOUNTING THEM ON THE BOARD. USE LOCTITE THREADLOCK BLUE 242 (OR EQUIVALENT) WHEN INSTALL THE BANANA JACKS.

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