

ZCU111 Rev1.0 BOM
0432076
Rev 01

Item Num	t Quantity	Part Reference	Description	Value	Voltage	Tolerance	Dielectric	PCB Footprint	MANF	MANF_P/N	barcode
1	1	B1	BATT LITH 1.5V 2.5MAH COIN 6.8MM	TS621E-FL11E	1.5V			BAT_TS518_TS621_DUAL	SEIKO	TS621E-FL11E	740031
			C1,C3,C25,C26,C28,C29,C30,C31,C32,C33,C151,C152,C153,C154,C155,C156,C157,C158,C159,C160,C161,C162,C163,C164,C165,C166,C170,C172,C175,C176,C177,C178,C179,C180,C181,C182,C183,C187,C188,C189,C190,C191,C192,C193,C194,C197,C198,C200,C201,C202,C204,C205,C206,C207,C210,C211,C213,C215,C216,C217,C219,C220,C221,C222,C224,C225,C226,C228,C229,C230,C231,C232,C234,C235,C236,C237,C238,C241,C242,C254,C260,C261,C264,C265,C270,C271,C278,C279,C280,C281,C283,C285,C286,C306,C308,C310,C312,C314,C316,C318,C320,C321,C322,C327,C328,C329,C330,C331,C332,C333,C334,C335,C348,C349,C350,C351,C352,C353,C354,C355,C356,C357,C372,C384,C389,C391,C393,C394,C396,C425,C426,C427,C429,C459,C460,C463,C464,C479,C480,C481,C482,C484,C486,C487,C488,C489,C490,C491,C492,C493,C494,C495,C496,C503,C508,C509,C516,C521,C522,C526,C527,C534,C546,C550,C557,C559,C560,C565,C566,C571,C576,C577,C586,C591,C592,C601,C602,C603,C604,C605,C606,C607,C608,C609,C612,C613,C616,C617,C618,C619,C621,C622,C623,C624,C625,C626,C627,C629,C630,C631,C636,C638,C639,C643,C645,C648,C649,C650,C651,C652,C664,C665,C670,C672,C674,C678,C680,C687,C689,C691,C695,C697,C700,C701,C702,C703,C704,C716,C717,C719,C720,C721,C722,C723,C730,C731,C734,C737,C738,C739,C740,C741,C742,C743,C744,C745,C746,C747,C748,C749,C750,C754,C758,C759,C761,C762,C764,C766,C767,C769,C770,C771,C775,C779,C780,C781,C783,C784,C785,C786,C814,C815,C816,C823,C825,C835,C854,C855,C872,C876,C877,C878,C884,C902,C903,C904,C916,C917,C918,C930,C935,C936,C937,C938,C939,C952,C992,C997,C998,C999,C1000,C1002,C1003	0.1UF	25V	10%	X5R	0402	TAIYO YUDEN	TMK105BJ104KV-F	100040
2	303		C2,C4,C15,C60,C61,C62,C63,C64,C65,C105,C106,C107,C108,C186,C282,C756,C760,C880,C883,C887,C888,C892,C893,C897,C898,C906,C907,C911,C912,C920,C921,C925,C926,C940	0.47UF	10V	10%	X5R	0402	MURATA	GRM155R61A474KE15D	100022
			C5,C11,C21,C66,C67,C68,C148,C149,C150,C208,C209,C243,C247,C253,C266,C272,C273,C274,C275,C276,C277,C287,C295,C361,C419,C454,C462,C485,C497,C510,C525,C528,C539,C561,C562,C567,C568,C634,C635,C637,C641,C642,C644,C654,C660,C661,C663,C668,C669,C671,C676,C677,C679,C685,C686,C688,C693,C694,C696,C706,C712,C713,C715,C725,C732,C751,C752,C763,C774,C799,C810,C811,C813,C821,C827,C859,C860,C861,C862,C863,C864,C865,C866,C867,C868,C869,C870,C875,C941,C953,C990,C1029,C1030	10UF	10V	10%	X5R	0805	MURATA	GRM21BR61A106KE19L	100024
5	1	C6	C7,C8,C9,C10,C13,C14,C17,C18,C19,C22,C34,C35,C36,C37,C38,C39,C147,C244,C248,C255,C397,C398,C432,C433,C466,C467,C504,C523,C563,C570,C614,C615,C829,C837,C857,C858,C871,C931	2700PF	50V	10%	X7R	0402	MURATA	GRM155R71H272KA01J	100149
6	38			0.01UF	25V	10%	X5R	0402	AVX	04023D103KAT2A	100001
			C12,C75,C76,C77,C78,C79,C80,C81,C82,C83,C84,C85,C86,C121,C122,C203,C262,C263,C267,C268,C269,C288,C289,C290,C291,C293,C294,C296,C297,C298,C299,C300,C323,C324,C347,C359,C360,C362,C363,C367,C369,C370,C380,C381,C382,C383,C385,C399,C406,C408,C415,C416,C417,C418,C420,C434,C441,C443,C450,C451,C452,C453,C455,C465,C469,C476,C478,C501,C514,C532,C543,C553,C564,C569,C572,C587,C611,C620,C653,C655,C662,C705,C707,C714,C724,C726,C729,C733,C735,C736,C753,C755,C782,C812,C817,C818,C822,C824,C831,C991	1UF	35V	10%	X5R	0402	MURATA	GRM155R6YA105KE11D	100192
8	3		C16,C326,C757	0.68UF	4V	20%	X5R	0402	MURATA	GRM155R61A684KE15	100231
			C20,C53,C54,C55,C87,C99,C109,C110,C111,C112,C301,C302,C794,C945,C947,C116 033	100UF	6.3V	20%	X6S	1210	TDK	C3225X6S0J107M250AC	100141
10	2	C23,C24		22PF	50V	5%	COG, NPO	0402	MURATA	GRM1555C1H220JA01J	100099
11	1	C27		33PF	50V	5%	NP0	0402	MURATA	GRM1535C1H330JDD5D	100188
12	9		C40,C41,C42,C43,C789,C801,C802,C803,C942	100UF	4V	20%	X6S	1206	TDK	C3216X6S0G107M160AC	100140
			C44,C45,C46,C50,C51,C52,C56,C57,C58,C59,C69,C70,C71,C72,C73,C74,C89,C90,C91,C92,C94,C95,C97,C98,C101,C102,C103,C104,C113,C114,C115,C116,C118,C119,C120,C123,C124,C125,C126,C129,C130,C131,C134,C135,C136,C139,C140,C143,C144,C212,C214,C223,C337,C338,C339,C340,C341,C343,C800,C879,C885,C886,C891,C896,C901,C905,C910,C915,C919,C924,C929,C932,C933,C934,C943,C944,C95	4.7UF	6.3V	20%	X5R	0402	TDK	C1005X5R0J475M	100067
14	4		C47,C48,C49,C946	470UF	2V	20%	SP	TANT_D	PANASONIC	EEF-GX0D471R	100143
			C88,C93,C96,C100,C117,C336,C364,C365,C428,C430,C440,C505,C547,C578,C579,C580,C581,C593,C594,C595,C596,C790,C791,C792,C795,C819,C840,C841,C842,C843,C844,C846,C847	47UF	6.3V	20%	X6S	1210	TDK	C3225X6S0J476M250AC	100142
15	33	2	C127,C128,C132,C133,C137,C138,C141,C142,C145,C146,C169,C506,C519,C537,C548,C556,C834,C1026,C1027	2.2UF	6.3V	20%	X5R	0402	TDK	C1005X5R0J225M	100062
16	19			4.7UF	10V	10%	X5R	0603	TDK	C1608X5R1A475K	100031
17	1	C167		150UF	6.3V	20%	SP	CAP_SX	PANASONIC	EEF-CX0J151XR	100183
18	1	C168									
			C171,C199,C325,C342,C628,C633,C647,C659,C667,C681,C684,C698,C711,C768,C776,C809,C851,C852,C853,C948,C949,C950,C951,C1018,C1019,C1020,C1021,C1022,C1023,C1024,C1025,C1031,C1034,J11,J28,J30,J31,J33,J34,J36,J38,J39,J41,J43,J45,J46,J54,J55,J56,J57,J58,J59,J61,J62,J63,J64,J65,J66,J67,J68,J69,J70,J71,J72,J73,J74,J75,J76,J77,J79,J80,J81,J82,J84,J87,J88,J93,J97,J112,J113,J114,MH1,MH2,MH3,MH4,MH5,MH6,R2,R3,R47,R99,R105,R112,R134,R138,R140,R157,R158,R165,R181,R184,R187,R188,R190,R191,R203,R211,R213,R214,R215,R216,R217,R218,R219,R220,R221,R222,R223,R226,R227,R228,R230,R231,R233,R234,R235,R236,R237,R238,R257,R262,R270,R271,R276,R277,R278,R279,R281,R282,R283,R284,R289,R290,R291,R292,R294,R295,R300,R301,R309,R379,R380,R381,R382,R383,R384,R385,R386,R429,R448,R457,R472,R478,R483,R529,R540,R541,R542,R543,R544,R546,R547,R561,R564,R585,R605,R640,R641,R642,R643,R657,R660,R661,Z1,Z2,Z3,Z4,Z5,Z6,Z7,Z8,Z9,Z10,Z11,Z12,Z13,Z14,Z15,Z16,Z17,Z18,Z19,Z20,Z21,Z22,Z23,Z24,Z25,Z26,Z28,Z29,Z30,Z32,Z33,Z34,Z35,Z37,Z38,Z39,Z41,Z42,Z43,Z44,Z45	DNP	DNP	DNP	DNP	0402	DNP	DNP	NonBom

20	5	C173,C174,C239,C240,C773		18PF	50V	5%	NPO	0402		MURATA	GRM1555C1H180JA01D	100065
		C184,C185,C195,C196,C245,C246,C249,C250,C251,C252,C256,C257,C258,C259,										
21	16	C765,C826		1000PF	50V	10%	X7R	0402		MURATA	GRM155R71H102KA01D	100013
22	1	C218		1UF	25V	10%	X5R	0603		TAIYO YUDEN	TMK107BJ105KA-T	100023
23	2	C227,C233		27PF	50V	5%	NPO	0402		TDK	C1005NP01H270J050BA	100217
24	6	C284,C373,C507,C520,C549,C772		2200PF	50V	10%	X7R	0402		MURATA	GRM155R71H222KA01D	100095
		C292,C358,C366,C368,C374,C375,C376,C377,C378,C379,C409,C410,C411,C412,										
25	28	C413,C414,C444,C445,C446,C447,C448,C449,C573,C574,C575,C588,C589,C590		10UF	25V	10%	X5R	1210		MURATA	GRM32DR61E106KA12L	100123
26	2	C303,C304		100PF	500V	5%	NPO	0805		KEMET	C0805C101JCGACTU	100047
		C305,C307,C309,C311,C313,C315,C317,C319,C390,C392,C395,C400,C401,C402,										
		C405,C423,C431,C435,C436,C437,C461,C468,C470,C471,C472,C475,C483,C498,										
		C499,C500,C511,C512,C513,C518,C524,C529,C530,C531,C536,C540,C541,C542,										
		C551,C552,C554,C555,C787,C788,C796,C797,C798,C804,C805,C806,C807,C830,										
		C832,C833,C838,C839,C845,C848,C849,C850,C856,C873,C874,C994,C995,C996,										
27	71	C1004		22UF	25V	10%	X5R	1206		MURATA	GRM31CR61E226KE15L	100026
		C344,C345,C346,C820,C954,C955,C956,C957,C958,C959,C960,C961,C962,C963,										
		C964,C965,C966,C967,C968,C969,C970,C971,C972,C973,C974,C975,C976,C977,										
28	41	C978,C979,C980,C981,C982,C983,C984,C985,C986,C987,C988,C989,C993		0.01UF	16V	10%	X5R	0201		TDK	C0603X5R1C103K030BA	100164
29	1	C371		330UF	25V	20%	ELEC	CAPR_800_350		PANASONIC-ECG	EEU-FM1E331L	100021
30	11	C386,C387,C388,C421,C422,C424,C456,C457,C458,C582,C597		2.2UF	25V	10%	X7R	0805		TAIYO YUDEN	TMK212B7225KG-TR	100124
31	10	C403,C404,C407,C438,C439,C442,C473,C474,C477,C793		0.22UF	25V	10%	X6S	C402-25		TDK	C1005X6S1E224K050BC	100180
32	1	C502		270PF	50V	10%	X7R	0402		MURATA	GRM155R71H271KA01D	100100
		C515,C533,C544,C632,C640,C646,C666,C673,C675,C682,C683,C690,C692,C699,										
33	15	C718		100PF	50V	10%	X7R	0402		YAGEO	CC0402KRX7R9BB101	100119
34	2	C517,C545		6200PF	100V	5%	X7R	0603		AVX	06031C622JAT2A	100250
35	4	C535,C538,C583,C598		4700PF	50V	10%	X7R	0402		MURATA	GRM155R71H472KA01D	100155
36	2	C558,C836		220PF	50V	10%	X7R	0402		TAIYO YUDEN	UMK105B7221KV-F	100157
37	2	C584,C599		3300PF	50V	10%	X7R	0402		MURATA	GRM155R71H332KA01D	100126
38	2	C585,C600		150PF	50V	10%	X7R	0402		KEMET	C0402C151K5RACTU	100227
39	1	C610		8PF	50V	6%	COG, NPO	0402		TDK	C1005C0G1H080C050BA	100190
40	3	C656,C708,C727		0.068UF	10V	10%	X5R	0402		AVX	0402ZD683KAT2A	100125
41	3	C657,C709,C728		390PF	50V	5%	COG, NPO	0402		KEMET	C0402C391J5GACAU0	100262
42	3	C658,C710,C808		1800PF	50V	10%	X7R	0402		MURATA	GRM155R71H182KA01D	100158
43	1	C777		0.033UF	25V	10%	X5R	0402		TDK	C1005X5R1E333K050BA	100156
44	1	C778		680PF	50V	10%	X7R	0402		AVX	04025C681KAT2A	100107
45	1	C828		0.047UF	10V	10%	X5R	0402		TDK	C1005X5R1A473K	100057
		C881,C882,C889,C890,C894,C895,C899,C900,C908,C909,C913,C914,C922,C923,										
46	16	C927,C928		0.068UF	16V	10%	X7R	0402		TDK	C1005X7R1C683K050BC	100125
47	1	C1001		10UF	10V	20%	X5R	0402		SAMSUNG	CL05A106MP5NUNC	100197
48	2	C1005,C1032		22UF	25V	10%	X5R	1210		MURATA	GRM32ER61E226KE15L	100078
		C1006,C1007,C1008,C1009,C1010,C1011,C1012,C1013,C1014,C1015,C1016,C10										
49	12	17		100PF	16V	10%	X7R	0201		TDK	CGA1A2X7R1C101K030BA	100264
50	0	C8L1	USB A TO MICRO CABLE, FERRITE CHOKE, 2 METERS	USB_MICRO_CABLE						MONOPRICE	5458	960070
51	1	CG1	ZSFP PLUS (ZSFP+) CAGE, FOUR PORT 1X4	100114-0420				100114_0420		MOLEX	100114-0420	960065
52	2	D1,D2	SCHOTTKY 200mA 30V	BAT54T1G	30V			SOD_123		ON SEMICONDUCTOR	BAT54T1G	300002
53	1	D3	DIODE SCHOTTKY 40V 2A	MBRS240LT3G	40V	NA		DIO_SMB_403A_03		ON SEMICONDUCTOR	MBRS240LT3G	300045
54	1	D4	SCHOTTKY DIODE, DUAL	BAS40-04	40V			SOT_23		MICRO COMMERCIAL	BAS40-04-TP	300001
55	1	DIMMCAGE1	SO-DIMM CAGE	SODIMM_CAGE				SODIMM_CAGE		LEADER TECH	20S-CBSFNSV-1.75x3.0x0.35	960011
56	1	DS1	LED 3.2 x 2.7 mm RED_GRN DUAL	LED-GRN-RED	2.0V			HSMF_C15X		AVAGO	HSMF-C155	300014
		DS2,DS6,DS7,DS8,DS11,DS12,DS13,DS14,DS15,DS16,DS17,DS18,DS19,DS20,DS2										
		1,DS22,DS23,DS24,DS25,DS26,DS27,DS28,DS29,DS30,DS31,DS32,DS33,DS34,DS										
57	42	35,DS36,DS37,DS38,DS39,DS40,DS41,DS42,DS43,DS44,DS45,DS46,DS49,DS50	LED 565NM GREEN DIFF 0603 SMD	LED-GRN-SMT	2.2V			LED_0603		LUMEX	SML-LX0603GW-TR	300021
58	3	DS3,DS4,DS5	LED 635NM RED DIFF 0603 SMD	LED-RED-SMT	2.0V			LED_0603		LUMEX	SML-LX0603IW-TR	300022
59	1	DS47	LED 470NM BLUE DIFF 0805 SMD	LED-BLUE-SMT	3.3V			LED_0805		AVAGO	HSMN-C170	300017
60	1	HS1	12VDC FAN-HEATSINK for ZCU111 with PCB screws	12VDC				FANSINK		COFAN	30-4988-10	960081
61	21	J1,J2,J3,J4,J6,J8,J9,J17,J18,J19,J20,J23,J29,J35,J40,J44,J85,J89,J90,J91,J110	CONN HEADER .100 SINGL STR 36POS 1X3	HDR_1X3				HDR_1X3		SULLINS	PBC36SAAN	390011
62	3	J5,J78,J164	CONN HEADER .100 DUAL STR 72POS 2X6	HDR_2X6				HDR_2X6		SULLINS	PBC36DAAN	390014
			SMA CONNECTOR PC MOUNT RECEPTACLE - GOLD, TOP									
63	9	J7,J10,J14,J15,J21,J51,J95,J108,J109	ENTRY, SMT SIG PIN	32K10K-400L5				32K10K_400_NEW		ROSENBERGER	32K10K-400L5	400125
64	1	J13	JTAG/SS CONN 14POS 2MM VERT SMD	87832-1420				87832_1420		MOLEX	87832-1420	400030
65	1	J26	SAMTEC FMC+ HPC 14 ROW VITA 57.4 FEMALE	ASP_184329_01				ASP_184329_01		SAMTEC	ASP-184329-01	400137
66	4	J27,J32,J37,J42	ZSFP+ NO CAGE RCPT 20POS R/A GOLD SMD	170382_0001				CON_MOL_20P_170382_0001		MOLEX	170382-0001	400153
67	2	J47,J94	.050" LP Array 8 rows connector SMD	LPAF-40-030-S-08-2-K-TR				lpaf_40_030_s_08_2_k_tr		SAMTEC	LPAF-40-03.0-S-08-2-K-TR	400211
68	2	J48,J49	CONN FEMALE 12POS DL .1" R/A GOLD	HDR_2X6_F_RA				HDR_F2X6_PMOD		SULLINS	PPPC062LJBN-RC	390021
69	1	J50	SHIELDED DDR4 SO-DIMM 64 bit W/ ECC	DDR4_SO-DIMM_SHIELDED				DDR4_SO-DIMM_SHIELDED		LOTES	ADDR0067-P001A	400104
70	1	J52	CONN POWERJACK RIGHT ANGLE MINI-FIT 12V 6-PIN	39-30-1060				CON_MOL_5569_6P		MOLEX	39-30-1060	400022
71	1	J60	KEYED FAN HEADER 3POS .100 VERT GOLD	22_11_2032				HDR_1X3_LOCK_MOLEX		MOLEX	22-11-2032	400018
72	1	J83	CONN RCPT MICRO USB 2.0 AB TH R/A	ZX62D_AB_5P8(30)				CON_HR_ZX62D_AB_5P8		HIROSE	ZX62D-AB-5P8(30)	400014
73	1	J92	SHROUDED HEADER .100 STR 14POS 2X7 Male	103308-2				CON_O_100_14		TYCO	5103308-2	400069
74	1	J96	CONN STANDARD A USB 3.0 SMT	692122030100				CON_CNC_692122030100		WURTH	692122030100	400128
75	1	J100	MICRO SD R/A PUSH-PUSH	CON_MOL_10P_5025700893				CON_MOL_10P_5025700893		MOLEX	5025700893	400081
76	6	L1,L2,L5,L6,L38,L39	FERRITE, 500MA, 600 OHM, 0805	FERRITE-600				0805		LAIRD	HZ0805E601R-10	300009
77	6	L3,L4,L7,L8,L9,L10	FILTER,EMI,Z=220,2A,0603	FERRITE-220				0603		TDK	MPZ1608S221A	300010
78	8	L11,L12,L13,L14,L15,L16,L17,L18	INDUCTOR POWER 4.7UH 3.2A SMD	4.7UH				IND_IHLP2020BZ_ER		VISHAY	IHLP2020BZER4R7M11	500072
79	1	L19	FIXED IND 2.2UH 4A 61 MOHM SMD	2.2UH		20%		IND_SRP4020TA		BOURNS	SRP4020TA-2R2M	300175
80	2	L20,L21	FIXED IND 680NH 7A 19 MOHM SMD	680NH		20%		IND_SRP4020TA		BOURNS	SRP4020TA-R68M	300204
81	1	L22	150nH 0.371mohms 52A	150NH		20%		IND_VLB1005OHT		TDK	VLB1005OHT-R15M	300207
82	2	L23,L33	FIXED IND 3.3UH 3.5A 76 MOHM SMD	3.3UH		20%		IND_SRP4020TA		BOURNS	SRP4020TA-3R3M	300202
83	4	L24,L25,L32,L34	FIXED IND 1.2UH 4.8A 30 MOHM SMD	1.2UH		20%		IND_SRP4020TA		BOURNS	SRP4020TA-1R2M	300201
84	1	L26	FIXED IND 680NH 18A 4.5 MOHM	680NH		20%		IND_SRP7050TA		BOURNS	SRP7050TA-R68M	300211
85	1	L27	FIXED IND 6.8UH 2.1A 172 MOHM	6.8UH		20%		IND_SRP4020TA		BOURNS	SRP4020TA-6R8M	300203
			1.5uH Shielded Wirewound Inductor 4.5A 42 mOhm Max 2-									
86	2	L28,L29	SMD	1.5UH		20%		IND_SRP4020TA		BOURNS	SRP4020TA-1R5M	300176
87	1	L30	FIXED IND 470NH 12A 7.4 MOHM SMD	470NH		20%		IND_SRP5030T		BOURNS	SRP5030T-R47M	300205
88	1	L31	FIXED IND 120NH 31A 0.35 MOHM	120NH		20%		IND_VLB1005OHT		TDK	VLB1005OHT-R12M	300206
89	1	L35	FIXED IND 3.3UH 5A 38 MOHM SMD	3.3UH		20%		IND_SRP5030T		BOURNS	SRP5030T-3R3M	300210

90	2 L36,L37 L43,L44,L47,L50,L52,L53,L54,L55,L56,L57,L58,L59,L60,L61,L62,L65,L68,L70,L73,L	FIXED IND 680NH 3.6A 43 MOHM SMD	0.68UH	20%	SRN2512-R68M	BOURNS	SRN2512-R68M	300212
91	20 74	INDUCTOR POWER 15NH, 1.0A	15NH	2%	0402	COILCRAFT	0402DC-15NXGRW	300213
92	1 L71	FIXED IND 2.2UH 5.5A 35 MOHM	2.2UH	20%	IND_SRP5030T	BOURNS	SRP5030T-2R2M	300209
93	1 L72	FILTER,EMI,Z=120,3A,0603	FERRITE-120		0603	Murata	BLM18SG121TN1D	300026
94	1 M2CAGE1	M.2 2242 size EMI CAGE	M2_CAGE		M2_CAGE	LEADER TECH	20S-CBSFNSV-1.0x2.25x0.40	960072
95	1 MMD1	DDR4 4GB (x64, NO ECC) 260-Pin SODIMM	DDR4_SODIMM		DDR4_SODIMM	MICRON	MTA4ATF51264HZ-2G6E1	510070
96	3 MN1,MN2,MN3	Jack Screw board mating nut/screw, 4.15mm gap, press fit	JACKSCREW_0415		ISO-0415-01	SAMTEC	JSO-0415-01	900085
97	6 MRB1,MRB2,MRB3,MRB4,MRB5,MRB6	RUBBER BUMPER	RUBBER BUMPER			KEYSTONE	720	900001
98	6 MS1,MS2,MS3,MS4,MS5,MS6	#4-40 MACHINE SCREW 0.25"	MACHINE_SCREW_4-40			OLANDER	4C25PPMZR	900005
99	1 MS7	3.0X.50X4MM SCREW Zinc plated commercial steel	MACHINE_SCREW_M3			EAGLE	481-0263	900074
100	6 MSO1,MSO2,MSO3,MSO4,MSO5,MSO6	#4-40 0.375" ALUM STANDOFF	STANDOFF_OP375			KEYSTONE	1892	900010
101	6 MW1,MW2,MW3,MW4,MW5,MW6	M4 F/W STL ZN CR3 DIN125A	WASHER_FLAT_4			OLANDER	4NFLWZR	900082
102	1 P11	DISPLAY PORT UDI R/A SMD	0472720001		CON_MOLEX_47272	MOLEX	0472720001	400070
103	1 P12	RJ45 RIGHT ANGLE GIGABIT ETHERNET MAGNETIC MODULAR JACK	RJ45		7499111221A	WURTH	7499111221A	420095
104	0 PB1	12V 6.67A 80W POWER BRICK W/ 6-PIN MINI-FIT CONNECTOR	PWR_BRICK_12V			LTE	LTE90E-S2-1	960038
105	8 Q1,Q2,Q3,Q4,Q5,Q6,Q10,Q11	MOSFET N-CH 20V 1.3A 3-SSOT	NDS331N	20V	SOT_23	FAIRCHILD	NDS331N	500100
106	1 Q7	POWER MOSFET P-CH 20V 60A	SI7157DP	20V	PWR_56_V02	VISHAY	SI7157DP	500377
107	1 Q8	MOSFET N-CH 50V 0.2A 3-SSOT	BSS138	50V	SOT_23	FAIRCHILD	BSS138	500116
108	1 Q9	MOSFET N-CH 30V 3.6A	SI2300DS	30V	SOT_23	VISHAY	SI2300DS-T1-GE3	500105
	R1,R50,R51,R52,R197,R206,R212,R229,R232,R239,R240,R241,R242,R255,R256,R280,R293,R302,R307,R313,R314,R317,R318,R322,R334,R335,R336,R338,R339,R340,R341,R342,R343,R344,R345,R346,R347,R369,R465,R497,R500,R504,R507,R520,R530,R538,R639,R650,R693,R703,R717		1.00K	1%	0402	ROHM	MCR01MZPF1001	200098
110	2 R4,R6		20.5K	1%	0402	PANASONIC	ERJ-2RKf2052X	200043
	R5,R18,R19,R20,R21,R26,R30,R32,R33,R37,R80,R81,R82,R83,R84,R85,R93,R94,R183,R193,R195,R198,R199,R200,R201,R248,R249,R250,R251,R268,R269,R272,R273,R274,R275,R285,R286,R287,R288,R296,R297,R298,R299,R303,R304,R305,R306,R308,R311,R312,R315,R349,R350,R351,R352,R353,R354,R355,R356,R362,R371,R372,R373,R374,R375,R376,R377,R378,R694,R701,R704,R705		4.70K	1%	0402	PANASONIC	ERJ-2RKf4701X	200067
111	72 R7,R8,R12,R16,R95,R96,R109,R110,R320,R323,R324,R325,R337,R348,R357,R36							
112	24 6,R479,R503,R510,R552,R553,R554,R637,R638		100	1%	0402	PANASONIC	ERJ-2RKf1000X	200024
	R9,R10,R11,R13,R14,R45,R589,R592,R595,R609,R623,R624,R627,R628,R631,R6							
113	16 32		240	1%	0402	PANASONIC-ECG	ERJ-2RKf2400X	200046
	R15,R48,R49,R100,R114,R120,R121,R122,R123,R124,R125,R126,R127,R128,R129,R130,R131,R132,R133,R135,R139,R147,R148,R149,R150,R151,R152,R153,R154,R155,R156,R159,R160,R161,R162,R163,R164,R166,R167,R168,R169,R170,R172,R173,R174,R175,R176,R177,R179,R180,R182,R185,R189,R450,R455,R548,R54							
114	61 9,R550,R551,R558,R664		4.99K	1%	0402	PANASONIC	ERJ-2RKf4991X	200072
115	1 R17		4.7M	5%	0402	PANASONIC	ERJ-2GEJ475X	200358
116	12 R22,R23,R24,R25,R42,R43,R406,R407,R410,R411,R570,R692		499	1%	0402	PANASONIC	ERJ-2RKf4990X	200071
	R27,R28,R31,R34,R35,R36,R56,R76,R101,R252,R253,R254,R260,R261,R326,R327,R328,R329,R330,R331,R332,R333,R512,R513,R514,R515,R516,R518,R519,R522,R523,R524,R525,R526,R527,R532,R533,R534,R535,R536,R537,R675,R676,R67							
117	45 9,R695		261	1%	0402	PANASONIC	ERJ-2RKf2610X	200050
	R29,R720,R721,R722,R723,R724,R725,R726,R727,R728,R729,R730,R731,R732,R							
118	16 733,R734		20	1%	0402	VISHAY	CRCW040220R0FKED	200119
	R38,R39,R40,R44,R72,R86,R87,R89,R90,R102,R115,R116,R118,R119,R141,R142,R144,R145,R192,R205,R207,R208,R243,R246,R263,R267,R321,R368,R423,R433,R434,R435,R441,R451,R466,R511,R521,R528,R531,R563,R566,R584,R604,R608,							
119	48 R663,R671,R672,R718		10.0K	1%	0402	PANASONIC	ERJ-2RKf1002X	200025
120	2 R41,R77		8.06K	1%	0402	PANASONIC	ERJ-2RKf8061X	200083
121	1 R46		500	0.1%	0402	VISHAY	PNM0402E5000BST1	200359
122	10 R53,R73,R79,R194,R244,R316,R319,R358,R359,R360		12.0K	1%	0201	PANASONIC	ERJ-1GEF1202C	200411
123	2 R54,R55		0	NA	0201	PANASONIC	ERJ-1GN0R00C	200383
124	1 R57		18.2K	1%	0402	PANASONIC	ERJ-2RKf1822X	200385
125	1 R58		4.02K	1%	0402	PANASONIC	ERJ-2RKf4021X	200062
	R59,R421,R422,R424,R425,R427,R430,R431,R432,R436,R437,R438,R439,R440,R442,R443,R444,R452,R453,R461,R462,R467,R468,R487,R488,R492,R493,R658,R							
126	30 666,R668		10	1%	0402	PANASONIC	ERJ-2RKf10R0X	200028
127	7 R60,R62,R63,R445,R454,R469,R476		100K	1%	0402	PANASONIC	ERJ-2RKf1003X	200026
	R61,R64,R67,R92,R98,R106,R107,R108,R111,R117,R136,R137,R171,R178,R202,R204,R258,R259,R265,R266,R390,R391,R426,R428,R482,R484,R517,R557,R559,							
128	41 R571,R572,R580,R581,R598,R635,R648,R649,R659,R665,R677,R678		0	5%	0402	PANASONIC	ERJ-2GE0R00X	200012
129	4 R65,R66,R75,R245		1.0M	5%	0402	PANASONIC	ERJ-2GEJ105X	200013
130	3 R68,R103,R104		2.49K	1%	0402	PANASONIC	ERJ-2RKf2491X	200049
131	1 R69		1.50K	1%	0402	PANASONIC	ERJ-2RKf1501X	200161
	R70,R71,R97,R647,R654,R662,R706,R707,R708,R709,R710,R711,R712,R713,R71							
132	17 4,R715,R716		49.9	1%	0402	PANASONIC	ERJ-2RKf49R9X	200073
	R74,R186,R361,R363,R364,R365,R555,R556,R567,R568,R601,R602,R696,R697,R							
133	16 698,R699		30	1%	0402	PANASONIC	ERJ-2RKf30R0X	200133
134	1 R78		191	1%	0402	VISHAY	CRCW0402191RfKED	200288
135	5 R88,R91,R143,R146,R673		200K	1%	0402	PANASONIC	ERJ-2RKf2003X	200041
136	8 R113,R588,R590,R591,R593,R594,R596,R597		100	5%	0201	PANASONIC	ERJ-1GEJ101C	200126
137	5 R196,R209,R367,R370,R446		2.00K	1%	0402	PANASONIC	ERJ-S02F2001X	200096
138	1 R210		12.0K	1%	0402	PANASONIC	ERJ-2RKf1202X	200386
139	2 R224,R225		2.21K	1%	0402	PANASONIC	ERJ-2RKf2211X	200163
140	1 R247		11.0K	1%	0402	PANASONIC	ERJ-2RKf1102X	200289
141	1 R264		47.5K	1%	0402	PANASONIC	ERJ-2RKf4752X	200237
142	1 R310		40.2	1%	0402	PANASONIC	ERJ-2RKf40R2X	200063
143	6 R387,R395,R397,R404,R408,R419		2.2	1%	0603	PANASONIC	ERJ-3RQf2R2V	200258
144	12 R388,R389,R394,R398,R409,R412,R413,R418,R463,R471,R489,R494		0.005	1%	1224_SMT	OHMITE	LVK25R005FER	200097
145	1 R392		2.32K	1%	0402	PANASONIC	ERJ-2RKf2321X	200372
146	2 R393,R414		3.48K	1%	0402	PANASONIC	ERJ-2RKf3481X	200058
147	1 R396		1.96K	1%	0402	PANASONIC	ERJ-2RKf1961X	200118

148	1 R399		0.005	1%	RES_WSLP_1206	VISHAY DALE	WSLP12065L000FEA	200283
149	2 R400,R417		698	1%	0402	PANASONIC	ERJ-2RKF6980X	200080
150	1 R401		1.02K	1%	0402	PANASONIC-ECG	ERJ-2RKF1021X	200135
151	1 R402		2.87K	1%	0402	PANASONIC	ERJ-2RKF2871X	200138
152	1 R403		4.12K	1%	0402	PANASONIC-ECG	ERJ-2RKF4121X	200200
153	1 R405		560	1%	0402	PANASONIC	ERJ-2RKF5600X	200304
154	1 R415		4.75K	1%	0402	PANASONIC	ERJ-2RKF4751X	200068
155	1 R416		1.82K	1%	0402	PANASONIC-ECG	ERJ-2RKF1821X	200420
156	1 R420		287	1%	0402	PANASONIC	ERJ-2RKF2870X	200493
157	2 R447,R456		0.002	1%	RES_WSL3637	VISHAY	WSL36372L000FEA	200240
158	1 R449		130	1%	0402	PANASONIC	ERJ-2RKF1300X	200485
159	1 R458		118	1%	0402	PANASONIC	ERJ-2RKF1180X	200484
160	2 R459,R573		6.81K	1%	0402	PANASONIC	ERJ-2RKF6811X	200079
161	2 R460,R574		8.45K	1%	0402	PANASONIC	ERJ-2RKF8451X	200490
162	1 R464		475	1%	0402	PANASONIC	ERJ-2RKF4750X	200189
163	1 R470		4.87K	1%	0402	PANASONIC	ERJ-2RKF4871X	200228
164	1 R473		60.4	1%	0402	PANASONIC	ERJ-2RKF60R4X	200123
165	2 R474,R576		2.43K	1%	0402	PANASONIC	ERJ-2RKF2431X	200047
166	2 R475,R577		931	1%	0402	PANASONIC-ECG	ERJ-2RKF9310X	200212
167	2 R477,R579		3.83K	1%	0402	PANASONIC	ERJ-2RKF3831X	200488
168	2 R480,R586		5.36K	1%	0402	PANASONIC	ERJ-2RKF5361X	200489
169	2 R481,R587		4.22K	1%	0402	PANASONIC	ERJ-2RKF4221X	200064
170	2 R485,R670		16.0K	1%	0402	PANASONIC	ERJ-2RKF1602X	200487
171	1 R486		1.78K	1%	0402	PANASONIC-ECG	ERJ-2RKF1781X	200177
172	2 R490,R495		11.3K	1%	0402	PANASONIC	ERJ-2RKF1132X	200336
173	2 R491,R496		13.3K	1%	0402	PANASONIC	ERJ-2RKF1332X	200431
174	4 R498,R499,R505,R506		3.32K	1%	0402	PANASONIC	ERJ-2RKF3321X	200198
175	2 R501,R508		29.4K	1%	0402	PANASONIC	ERJ-2RKF2942X	200292
176	2 R502,R509		1.62K	1%	0402	PANASONIC-ECG	ERJ-2RKF1621X	200162
177	2 R539,R569		7.15K	1%	0402	PANASONIC	ERJ-2RKF7151X	200230
178	4 R545,R565,R600,R652		330	1%	0402	PANASONIC	ERJ-2RKF3300X	200344
179	3 R560,R582,R599		18	1%	0402	PANASONIC	ERJ-2RKF18R0X	200516
180	3 R562,R583,R603		68.1	1%	0402	PANASONIC	ERJ-2RKF68R1X	200325
181	1 R575		1.05K	1%	0402	PANASONIC-ECG	ERJ-2RKF1051X	200192
182	1 R578		1.54K	1%	0402	PANASONIC	ERJ-2RKF1541X	200486
R610,R611,R612,R613,R614,R615,R616,R617,R618,R625,R626,R629,R630,R633,								
183	25 R634,R680,R681,R682,R683,R684,R685,R686,R687,R688,R689		39.2	1%	0402	PANASONIC	ERJ-2RKF39R2X	200329
184	3 R621,R622,R636		43.0	1%	0402	PANASONIC	ERJ-2RKF43R0X	200113
185	1 R644		95.3	1%	0402	PANASONIC	ERJ-2RKF95R3X	
186	2 R645,R646		82.5	1%	0402	PANASONIC	ERJ-2RKF82R5X	200328
187	1 R651		220K	1%	0402	PANASONIC	ERJ-2RKF2203X	200470
188	1 R653		17.8	1%	0402	PANASONIC	ERJ-2RKF17R8X	200360
189	2 R655,R656		270	1%	0402	PANASONIC-ECG	ERJ-2RKF2700X	200319
190	1 R667		2.61K	1%	0402	PANASONIC	ERJ-2RKF2611X	200180
191	1 R669		464	1%	0402	PANASONIC	ERJ-2RKF4640X	200293
192	1 R674		2.67K	1%	0402	PANASONIC	ERJ-2RKF2671X	200272
193	2 R690,R691		36	1%	0402	PANASONIC	ERJ-2RKF36R0X	200260
194	1 R700		523	1%	0402	PANASONIC	ERJ-2RKF5230X	200497
195	1 R702		442	1%	0402	PANASONIC	ERJ-2RKF4420X	200496
196	1 RFCAGE1	EMI CAGE for AMS CLK GEN, TH, Solderable	EMI_CAGE_RF		EMI_CAGE_125X100	LEADER TECH	SL-12807	960090
197	3 RFCAGE2,RFCAGE3,RFCAGE4	EMI CAGE for AMS RFPLL, TH, Solderable	EMI_CAGE_RF_SMALL		EMI_CAGE_075X075	LEADER TECH	SL-12806	960091
198	6 RP1,RP2,RP3,RP4,RP5,RP6		10.0K	5%	RP_EXB_0603x4	PANASONIC	EXB-V8V103JV	200110
199	1 SP1	WA-SMSI SMD Steel Spacer with internal Thread M3	SPACER_6MM_ROUND		9774025360	WURTH	9774025360	900084
200	1 SW1	SWITCH SLIDE MINI SPDT R/A BK	1101M2S3AQE2		SW_102_1261_EV	C&K	1101M2S3AQE2	440016
201	11 SW2,SW3,SW4,SW7,SW9,SW10,SW11,SW12,SW13,SW19,SW20	SWITCH TACT 6MM 100GF SMD	TL3301EF100QG		SW_TL3301_G_4P	ESWITCH	TL3301EF100QG	440011
202	1 SW6	4 POS SMT DIP	SDA04H1SBD		SW_SDA_8P	C&K	SDA04H1SBD	440008
203	1 SW8	5 POS SMT HALF PITCH DIP	DIP5SMTHP		SW_WURTH_5POS_HALF_PITCH	WURTH ELEC	416131160805	440030
204	1 SW14	8 POS SMT DIP	SDA08H1SBD		SW_SDA_16P	C&K	SDA08H1SBD	440010
205	1 U1	XCZU28DR-2FFVG1517E	XCZU28DR-2FFVG1517E		SOC_1517_1MM_IRON_R90	Xilinx	XCZU28DR-2FFVG1517E	420104
206	1 U2	IC VOLT REF, 1.25V	REF3012AIDBZT	1.25V	REF30123_3	TI	REF3012AIDBZT	740010
207	14 U3,U59,U60,U61,U63,U64,U65,U66,U67,U69,U71,U73,U77,U79	CURRENT SHUNT MONITOR WITH I2C INTERFACE	INA226	36V	DGS_MSOP_10	TI	INA226AIDGS	500247
208	3 U4,U5,U30	1-BIT DUAL-SUPPLY	SN74AVC1T45	1.2V-3.6V	SC70_6	TI	SN74AVC1T45DCKR	500060
209	1 U6	DUAL VOLTAGE SUPERVISOR	MAX16025	28V	TQFN_16	MAXIM	MAX16025TE+	500049
210	1 U7	8CH ESD PROTECTION	TPD8S009DSMR	0-6V	SON_15P	TI	TPD8S009DSMR	500262
211	1 U8	LDO REG ADJ 500MA LOW NOISE	MAX8902B	1.7V-5.5V	TDFN_8_EP	MAXIM	MAX8902BATA+T	500384
212	1 U9	ESD-PROT ARRAY 4CH	TPD4E001DRLR	0.9-5.5V	DRL_R_PDSO_N6	TI	TPD4E001DRLR	500260
213	3 U10,U32,U39	QUAD-BIT DUAL-SUPPLY QFN-10	SN74AVC4T245	1.2V-3.6V	QFN_RSV_16	TI	SN74AVC4T245RSVR	500013
214	1 U11	LVDS DRIVER RECEIVER PAIR	FIN1019	3.3V	TSSOP_14	FAIRCHILD	FIN1019MTC	500414
215	1 U12	USB 2.0 ULPI TRANSCEIVER	USB3320	3.3V	USB3320_QFN32	SMSC	USB3320C-EZK-TR	500065
216	1 U13	IC SW DISTRIBUTION 1CHAN SOIC8	MIC2544A-1YM	2.7V TO 5.5V	SOIC_8	MICREL	MIC2544A-1YM	500451
217	3 U14,U28,U43	AND-GATE SINGLE 1.65V-5.5V SC70	SN74LVC1G08	1.65V-5.5V	SC70_5	TI	SN74LVC1G08DCKR	500077
218	1 U15	IC ESD SOLUTION 4CH	TPD4E05U06DQAR	6.5V	DQA_R_PSON_N10	TI	TPD4E05U06DQAR	500416
219	1 U16	IC ESD SOLUTION 2CH	TPD2EUSB30DRTR	5.5V	DRT_R_PDSO_N3	TI	TPD2EUSB30DRTR	500259
220	2 U17,U18	2-GBIT, SPI SERIAL FLASH MEMORY	MT25QU02GCB8E12-OSIT	1.7V-2V	TPBGA_24_5X5	MICRON	MT25QU02GCB8E12-OSIT	510068
221	5 U19,U20,U24,U25,U99	IC LVL-TRANSL I2C BUS REP 8-SOIC	PCA9306DCTR	1.2-3.3V, 1.8-5.5V	DCT_R_PDSO_G8	TI	PCA9306DCTR	500219
222	5 U21,U41,U86,U87,U89	VOLTAGE TRANSLATOR, 8-BIT BIDIR, OPEN-DRAIN APPS	TXS0108E	1.2V-3.6V,1.6-5.5V	TSSOP_20	TI	TXS0108EPWR	500123
223	1 U22	IC I/O EXPANDER I2C 16B 24TSSOP	TCA6416A	1.65V-5.5V	TCA6416APWR	TI	TCA6416APWR	500124
224	1 U23	I2C SW 4CH BI-DIR W/INTERRUPT 20-VQFN	PCA9544ARGYR	2.3-5.5V	VQFN_20	TI	PCA9544ARGYR	500203
225	2 U26,U27	I2C SW 8CH W/RESET 24-TSSOP	TCA9548APWR	1.65-5.5V	TSSOP_24	TI	TCA9548APWR	500297
226	1 U29	1.5-A LOW-NOISE FAST-TRANSIENT-RESPONSE LDO REG	TL1963A_33DCYR	3.3V	DCY_R_PDSO_G4	TI	TL1963A-33DCYR	500400
227	1 U31	SINGLE VOLTAGE COMPARATOR	MAX9100	5.0V	SOT23_5	MAXIM	MAX9100EUK+T	500080
228	2 U33,U38	DUAL BUFFER NON-INVERTING OPEN-DRAIN	NC7W207	5.5V	SC70_6	FAIRCHILD	NC7W207P6X	500086
229	1 U34	QUAD CH USB TO MULTIPURPOSE UART,MPSSE LQFP64	FT4232HL_LQFP64	5V,3.3V	LQFP_64	FTDI	FT4232HL-REEL	500498
230	1 U35	EEPROM 2K Microwire 8SOIC	93LC56B	2.5V-5.5V	SOIC8P127W390	MICROCHIP	93LC56B-I/SN	500495
231	1 U37	10/100/1000 ETHERNET PHYSICAL LAYER TRANSCEIVER	DP83867IRPAP	1.8V-3.3V	PQFP_64_EP	TI	DP83867IRPAP	500382
232	1 U40	M.2 67P SMT RCPT H4.20 M Key, 15u" Au	MDT420M02001		MDT420M02001	AMPHENOL	MDT420M02001	400190
233	1 U42	MIXED SIGNAL MICROCONTROLLER	MSP430F5342	1.8V	VQFN_48	TI	MSP430F5342IRGZ	500267
234	1 U44	DUAL-BIT DUAL-SUPPLY QFN-10	SN74AVC2T245	1.2V-3.6V	QFN_RSW_10	TI	SN74AVC2T245RSWR	500012

235	1 U45	IC SWITCH SINGLE SPST SC70-5	NC7SZ66P5X	1.65V		SC70_5	FAIRCHILD	NC7SZ66P5X	500053
236	1 U46	Custom ZCU102 LOW-JITTER, 10-OUTPUT, 350MHz Max	SI5341B		0PPM	OSC_SI341B_64P	SILABS	SI5341B-D07833-GM	500436
237	1 U47	10 MHZ TO 810 MHZ I2C PROG 0x5D, 300.00MHz DEFAULT	10MHZ_TO_810MHZ		50PPM	SI570	SILABS	570BAB001614DG	600047
238	1 U48	Multi-DSPLL Wireless Clock Gen, External XTAL	SI5382A-E-GM	1.8V,3.3V		SI5382A-E-GM	SILABS	SI5382A-E-GM	500611
239	1 U49	10 MHZ TO 810 MHZ I2C PROG 0x5D, 156.25MHz DEFAULT	10MHZ_TO_810MHZ		50PPM	SI570	SILABS	570BAB000544DG	600019
240	4 U50,U83,U84,U85	8-BIT DUAL SUPPLY LEVEL TRANSLATOR	SN74AVC8T245	1.2V		TSSOP_24	TI	SN74AVC8T245PWR	500014
241	1 U51	FILTER EMI 50MOHM 15A .1M-1GHZ	50MOHM			MURATA_BNX01	MURATA	BNX016-01	300030
242	1 U52	AUTOMATIC PWM SINGLE FAN-SPEED CONTROLLER	MAX6643	3.0-5.0V		QSOP16_MAX_E16_1	MAXIM	MAX6643LBBAE+	500509
243	3 U53,U55,U57	5 CHANNEL POWER MGMT. UNIT 7MMX7MM	IRPS5401	5V-12V		irps5401mtrpbfbf	INFINEON	IRPS5401MXI04TRP	500588
244	3 U54,U56,U58	Integrated PowerStage	TDA21240	4.5-16V		TDA21240	INFINEON	TDA21240	500556
245	2 U62,U76	SYNC BUCK .5V-5V ADJ. 3A REG	IR3883	0.5V-5V		ir3883mtrpbfbf	INFINEON	IR3883MTRPBF	500553
246	1 U68	SYNC BUCK .5V-18.38V ADJ. 35A PMBUS REG PQFN 5MMX7	IR38064	0.5V-18.38V		PQFN_34_5X7	INFINEON	IR38064MTRPBF	500599
247	3 U70,U74,U75	SYNC BUCK .5V-18.38V ADJ. 6A PMBUS REG PQFN							
248	1 U72	5MMX6M	IR38060	0.5V-18.38V		PQFN_35_5X6	INFINEON	IR38060MTRPBF	500598
249	2 U78,U101	LDO REG 1.22V-20V ADJUSTABLE 500MA	IFX1763	0V-36V		PG_TSON_10	INFINEON	IFX1763LDVXUMA1	500597
250	4 U80,U94,U95,U96	LDO Voltage Regulators SINGLE 2A ADJ VOUT	ISL80112	5.5V-2.7V		DFN_10P_3X3_ISL80	INTERSIL	ISL80112IRAIZ	500600
251	2 U81,U82	8Gb 512X16 DDR4 MEMORY, 2666MT/s, FBGA 9x14x1.2	MT40A512M16JY-075E	1.2V		FBGA_DDR4_96P	MICRON	MT40A512M16JY-075E	510069
252	1 U88	SYNC BUCK .5V-18.06V ADJ. 4A REG	IR3897	0.5V-18.06V		ir3897mtrpbfbf	INFINEON	IR3897MTRPBF	500554
253	1 U90	EEPROM 8KBIT 400KHZ 8TSSOP	M24C08-RDW6TP	2.5V-5V		TSSOP8_65P440X300MM	ST Micro	M24C08-RDW6TP	500024
254	1 U91	JITTER CLEANER WITH DUAL LOOP PLLS	LMK04208	3.15-3.45V		WQFN_64_EP	TEXAS INSTRUMENTS	LMK04208NKDT	500558
255	1 U92	OSC VCXO 122.88MHZ LVCMOS SMD	VX-501-0251-122M88		50PPM	OSC_VECTRON_TX500	VECTRON	VX-501-0251-122M880000	600072
256	1 U93	OSC TCXO 12.8MHZ HCMOS SMD	TCXO 12.8MHZ 3.3V HCMOS		30PPB	OSC_VECTRON_TX500	VECTRON	TX-5030-EAE-3080-12M800000	600071
257	1 U97	I2C TO SPI BUS INTERFACE	SC18IS602BIPW	2.4V-3.6V		TSSOP_16	NXP	SC18IS602BIPW/S8	500578
258	1 U98	IC MUX/DEMUX SW DUAL 4:1	IDTQS3VH253QG8	2.3V-3.6V		QSOP_16_PCG16	IDT	IDTQS3VH253QG8	500179
259	1 U100	IC CLK BUFFER 3:5 3.1GHZ	LMK00304SQ	3.15-3.45		WQFN_32	TI	LMK00304SQ/NOPB	500601
260	3 U102,U103,U104	High Performance 3A LDO	ISL80103	5.5V-2.7V		DFN_10P_3X3_ISL80	INTERSIL	ISL80103IRAIZ	500589
261	1 U105	IC PLL SYNTHESIZER RF W/VCO, 15GHz	LMX2594RHAT	3.15-3.45V		VQFN_40_RHA_EP4_5MM	TEXAS INSTRUMENTS	LMX2594RHAT	500603
262	1 U106	OSC CXO 54.000000MHz 15pf 3.3V	54.000000MHz		20PPM	7X54000007	TXC	7X54000007	600079
263	1 U107	IC CLK BUFFER 1:4 350MHZ	LMK00804BPW	1.425-3.465		TSSOP_16	TI	LMK00804BPW	500602
264	1 X1	SD 3.0 VOLTAGE LEVEL TRANSLATOR	IP4856CX25	1.8V-2.9V		WLCSP_25_NXP	NXP	IP4856CX25/CZ	500415
265	1 X2	CRYSTAL 32.7680 KHZ SMT 12.5PF	32.768KHZ		20PPM	XTAL_FC13A	EPSON	FC-13A 32.7680KA-A	600070
266	1 X3	CRYSTAL 24.00 MHZ SMT 18PF	24.00MHZ		30PPM	XTAL_FA238A	EPSON	FA-238A 24.0000MJ0YYbbJ50RG	600067
267	1 X4	4 CH ESD PROTECTION FOR USB	TPD4S012	5.5V		DRY_6_SON	TI	TPD4S012DRYR	500251
268	1 X5	CRYSTAL 12.00 MHZ 18PF SMT	12.00MHZ		20PPM	XTAL_EPSON_FA238	EPSON	FA-238A 12.0000MA30X-C	600066
269	1 X6	CRYSTAL 25MHZ 18PF SMD	25MHZ		50PPM	XTAL_EPSON_FA238	EPSON	FA-238_25.0000MB-C3	600035
270	1 X7	CRYSTAL 32.768 KHZ 12PF SMD	32.768KHZ		50PPM	XTAL_MC306	EPSON	MC-306 32.7680K-A0:ROHS	600025
		CRYSTAL 48.00 MHZ SMT 8PF	48.00MHZ		30PPM	XTAL_FA238A	EPSON	FA-238A 48.00M80YYYYG50RG	600069