ZCU104 Rev1.0
0432057
Rev 01

#	QTY	REFDES	DEVICE	PACKAGE	VALUE	VOLTAGE	TOLERANCE	DIELECTRIC	POWER	MANF	MANF_P/N	Alternate_P/N
1	1	B1	TS621E_FL11E	BAT_TS518_TS621_DUAL	TS621E-FL11E	1.5V				Seiko	TS621E-FL11E	TS518FE-FL35E
2	207	C1,C2,C17,C18,C19,C21,C22,C23,C24,C27,C28,C29,C30,C31,C42,C43,C45,C47,C48,C49,C53,C54,C55,C57,C58,C59,C60,C61,C62,C63,C64,C65,C66,C67,C86,C87,C88,C89,C127,C168,C179,C180,C181,C183,C185,C186,C187,C188,C189,C190,C208,C209,C220,C221,C222,C225,C228,C229,C230,C231,C232,C233,C234,C278,C400,C402,C403,C405,C515,C516,C517,C518,C519,C520,C557,C558,C559,C560,C561,C562,C563,C564,C565,C576,C577,C578,C581,C588,C589,C648,C649,C650,C679,C743,C744,C746,C749,C750,C751,C754,C767,C768,C769,C771,C772,C781,C782,C785,C792,C793,C795,C798,C974,C1051,C1052,C1053,C1054,C1081,C1082,C1093,C1094,C1095,C1096,C1097,C1098,C1099,C1100,C1101,C1102,C1103,C1104,C1105,C1106,C1107,C1108,C1109,C1110,C1111,C1112,C1113,C1114,C1204,C1205,C1206,C1207,C1208,C1209,C1214,C1225,C1226,C1227,C1228,C1229,C1230,C1231,C1232,C1233,C1234,C1235,C1238,C1239,C1242,C1243,C1244,C1245,C1386,C1387,C1388,C1389,C1390,C1391,C1392,C1393,C1394,C1395,C1396,C1397,C1398,C1399,C1400,C1401,C1402,C1403,C1404,C1405,C1406,C1407,C1408,C1409,C1410,C1411,C1412,C1413,C1414,C1415,C1416,C1417,C1446,C1447,C1448,C1449,C1463,C1464,C1479,C1480,C1481,C1503	0_1UF_0402	402	0.1UF	25V	10%	X5R		TAIYO YUDEN	TMK105BJ104KV-F	
3	2	C3,C1502	100PF_0402	402	100PF	50V	10%	X7R		YAGEO	CC0402KRX7R9BB101	
4	0	C81	100UF_1206	1206	DNP	6.3V	20%	X5R		TAIYO YUDEN	JMK316BJ107ML-T	
5	54	C85,C90,C128,C129,C276,C468,C469,C470,C471,C472,C482,C483,C484,C485,C602,C604,C605,C606,C607,C608,C621,C622,C623,C627,C628,C629,C630,C631,C632,C638,C639,C640,C641,C642,C643,C644,C645,C646,C946,C947,C1151,C1152,C1153,C1200,C1201,C1202,C1217,C1218,C1453,C1454,C1455,C1456,C1457,C1458	4_7UF_0402	402	4.7UF	6.3V	20%	X5R		TDK	C1005X5R0J475M	
6	15	C157,C158,C159,C160,C161,C162,C163,C182,C184,C197,C1236,C1237,C1240,C1241,C1499	0_1UF_0201	201	0.1UF	25V	10%	X5R		SAMSUNG	CL03A104KA3NNNC	
7	32	C169,C170,C191,C192,C193,C194,C195,C196,C264,C266,C271,C341,C368,C369,C418,C567,C568,C569,C573,C580,C595,C596,C1025,C1210,C1211,C1212,C1213,C1354,C1355,C1356,C1357,C1358	0_01UF_0402	402	0.01UF	25V	10%	X5R		AVX	04023D103KAT2A	
8	23	C238,C239,C256,C544,C545,C572,C584,C592,C597,C624,C625,C626,C634,C635,C652,C902,C909,C910,C911,C912,C917,C1197,C1203	0_47UF_0402	402	0.47UF	10V	10%	X5R		MURATA	GRM155R61A474KE15D	
9	31	C259,C260,C261,C374,C375,C1128,C1199,C1219,C1418,C1419,C1420,C1421,C1422,C1423,C1424,C1425,C1426,C1427,C1428,C1429,C1430,C1431,C1432,C1433,C1434,C1435,C1436,C1437,C1438,C1451,C1465	10UF_0603	603	10UF	6.3V	20%	X6S		TDK	C1608X6S0J106M080AC	
10	13	C277,C280,C282,C307,C308,C314,C315,C323,C324,C325,C326,C327,C1493	100UF_1206	1206	100UF	6.3V	20%	X6T		MURATA	GRM31CD80J107ME39K	
11	1	C279	2200PF_0402	402	2200PF	50V	10%	X7R		MURATA	GRM155R71H222KA01D	
12	12	C294,C303,C356,C357,C358,C359,C372,C373,C394,C399,C770,C975	1000PF_0402	402	1000PF	50V	10%	X7R		MURATA	GRM155R71H102KA01D	
13	34	C334,C533,C546,C547,C548,C549,C550,C551,C552,C553,C554,C555,C556,C566,C1144,C1220,C1221,C1222,C1223,C1224,C1329,C1330,C1335,C1338,C1339,C1340,C1341,C1346,C1349,C1350,C1351,C1352,C1353,C1494	1UF_0603	603	1UF	25V	10%	X5R		MURATA	GRM188R61E105KA12D	
14	28	C382,C383,C1301,C1302,C1303,C1304,C1305,C1306,C1307,C1308,C1309,C1310,C1311,C1312,C1313,C1314,C1315,C1316,C1317,C1318,C1319,C1320,C1321,C1322,C1323,C1489,C1490,C1491	10UF_1210	1210	10UF	25V	10%	X5R		MURATA	GRM32DR61E106KA12L	
15	6	C410,C417,C962,C963,C1441,C1442	18PF_0402	402	18PF	50V	5%	NPO		MURATA	GRM1555C1H180JA01D	
16	8	C422,C424,C473,C479,C480,C943,C1215,C1216	100UF_1206	1206	100UF	4V	20%	X6S		TDK	C3216X6S0G107M160AC	
17	9	C486,C487,C570,C571,C1028,C1031,C1032,C1165,C1166	10UF_0805	805	10UF	10V	10%	X5R		MURATA	GRM21BR61A106KE19L	
18	16	C488,C489,C490,C491,C534,C535,C536,C537,C538,C539,C540,C541,C755,C756,C757,C758	0_068UF_0402	402	0.068UF	16V	10%	X7R		TDK	C1005X7R1C683K050BC	
19	0	C543,C1061	DNP_C_0402_25_ROUND	C402-25	DNP	DNP	DNP	DNP		DNP	DNP	
20	2	C657,C874	1UF_0402	402	1UF	16V	10%	X5R		TDK Corporation	C1005X5R1C105K	
21	16	C677,C933,C1359,C1360,C1361,C1362,C1363,C1364,C1365,C1366,C1471,C1472,C1495,C1496,C1497,C1498	47UF_1210	1210	47UF	6.3V	20%	X6S		TDK	C3225X6S0J476M250AC	
22	9	C696,C697,C1459,C1460,C1461,C1462,C1474,C1475,C1476	470UF_G	TANT_D	470UF	2V	20%	SP		PANASONIC	EEF-GX0D471R	
23	13	C847,C1324,C1325,C1326,C1327,C1328,C1336,C1337,C1347,C1348,C1384,C1385,C1492	2_2UF_0805	805	2.2UF	25V	10%	X7R		TAIYO YUDEN	TMK212B7225KG-TR	
24	2	C875,C876	22PF_0402	402	22PF	50V	5%	C0G, NP0		MURATA	GRM1535C1H220JDD5D	
25	1	C914	47UF_1206	1206	47UF	25V	20%	X5R		TDK	C3216X5R1E476M	
26	1	C916	120UF_SX	CAP_SX	120UF	6.3V	20%	SP		PANASONIC	EEF-CX0J121R	
27	5	C918,C1377,C1380,C1381,C1501	4700PF_0402	402	4700PF	50V	10%	X7R		MURATA	GRM155R71H472KA01D	
28	1	C922	330UF_8_0MMX8_0MM	CAPR_800_350	330UF	25V	20%	ELEC		PANASONIC-ECG	EEU-FM1E331L	
29	1	C986	0_01UF_0402_25_ROUND	C402-25	0.01UF	25V	10%	X5R		AVX	04023D103KAT2A	

30	1	C1033	33PF_0402	402	33PF	50V	5%	C0G, NP0		MURATA	GRM1535C1H330JDD5D
31	2	C1063,C1070	1UF_0201	201	1UF	4V	10%	X5R		TDK	C0603X5R0G105M030BC
32	1	C1076	0_47UF_0201	201	0.47UF	6.3V	20%	X5R		TDK	C0603X5R0J474M030BC
33	2	C1186,C1187	100PF_0805	805	100PF	500V	5%	NP0		KEMET	C0805C101JCGACTU
34	2	C1193,C1194	27PF_0402	402	27PF	50V	10%	C0G, NP0		KEMET	C0402C270K5GACTU
		C1246,C1250,C1254,C1259,C1260,C1261,C1262,C1269,C1273									
		,C1277,C1281,C1282,C1283,C1284,C1285,C1286,C1287,C128									
		8,C1289,C1290,C1291,C1292,C1293,C1294,C1450,C1482,C14									
35	32	83,C1484,C1485,C1486,C1487,C1488	22UF_1206	1206	22UF	25V	10%	X5R		MURATA	GRM31CR61E226KE15L
36	8	C1331,C1332,C1333,C1334,C1342,C1343,C1344,C1345	1UF_0402	402	1UF	35V	10%	X5R		MURATA	GRM155R6YA105KE11D
37	6	C1367,C1368,C1369,C1370,C1371,C1372	0_22UF_0201	201	0.22UF	25V	10%	X5R		TDK	C0603X5R1E224K030BC
38	2	C1373,C1500	6800PF_0402	402	6800PF	50V	10%	X7R		KEMET	C0402C682K5RACTU
39	2	C1374,C1375	3300PF_0402	402	3300PF	50V	10%	X7R		MURATA	GRM155R71H332KA01D
40	1	C1376	56PF_0201	201	56PF	50V	5%	NP0		TDK	C0603C0G1H560J030BA
41	2	C1378,C1379	220PF_0402	402	220PF	50V	10%	X7R		TAIYO YUDEN	UMK105B7221KV-F
42	2	C1382,C1383	150PF_0402	402	150PF	50V	10%	X7R		KEMET	C0402C151K5RACTU
43	2	C1439,C1440	8PF_0402	402	8PF	50V	5%	C0H		PANASONIC	ECJ-0EC1H080D
44	3	C1443,C1444,C1445	47PF_0402	402	47PF	25V	5%	C0G, NP0		KEMET	C0402C470J3GACTU
45	0	C1452	DNP_C_0805	805	DNP	DNP	DNP	DNP		DNP	DNP
46	3	C1468,C1469,C1470	47UF_0603	603	47UF	2.5V	20%	X6S		MURATA	GRM188C80E476ME05
47	2	C1477,C1478	47UF	603	47UF	2.5V	20%	X5R		MURATA	GRM188R60E476ME15D
48	1	CBL1	PC_POWER_CABLE		PC_POWER_CABLE					ADAMTECH	PC-0102060AC03
49	0	CBL2	USB_MICRO_CABLE		USB_MICRO_CABLE					MONOPRICE	5458
50	2	D5,D6	BAT54T1G	SOD_123	BAT54T1G	30V			400MW	ON SEMICONDUCTOR	BAT54T1G
51	1	D40	BAS40_04_SOT23	SOT_23	BAS40-04	40V			200MW	MICRO COMMERCIAL	BAS40-04-TP
52	1	D41	MBRS240LT3G_DO_214AA	DIO_SMB_403A_03	MBRS240LT3G	40V	NA		2A	ON SEMICONDUCTOR	MBRS240LT3G
53	1	DIMMCAGE1	SODIMM_CAGE	SODIMM_CAGE	SODIMM_CAGE					LEADER TECH	20S-CBSFNSV-1.75x3.0x0.35
54	1	DS1	HSMF-C155	HSMF_C15X	LED-GRN-RED	2.0V			2.0-20MA	AVAGO	HSMF-C155
		DS2,DS3,DS4,DS5,DS6,DS7,DS8,DS9,DS10,DS21,DS24,DS25,D									
		S26,DS27,DS32,DS33,DS34,DS37,DS38,DS39,DS40,DS49,DS51									
55	26	,DS53,DS54,DS55	LED-GRN-SMT_LED_0603	LED_0603	LED-GRN-SMT	2.2V			2.2-20MA	LUMEX	SML-LX0603GW-TR
56	2	DS35,DS36	LED-RED-SMT_LED_0603	LED_0603	LED-RED-SMT	2.0V			2.0-20MA	LUMEX	SML-LX0603IW-TR
57	1	HS1	12VDC_FANSINK	30-1944-12D	12VDC					COFAN	30-1944-12D
58	1	J1	DDR4_SO-DIMM	DDR4_SO-DIMM_SHIELDED	DDR4_SO-DIMM_SHIELDED					LOTES	ADDR0067-P001A
59	1	J5	ASP_134603_01	ASP_134603_01	ASP_134603_01					SAMTEC	ASP_134603_01
60	6	J12,J13,J20,J21,J22,J178	HDR_1X2	HDR_1X2	HDR_1X2					SULLINS	PBC36SAAN
		J18,J19,J25,J28,J29,J30,J31,J32,J33,J34,J40,J41,J44,J163,J165,									
61	0	J166,J167,J168,J169,J170,J171,J172,J173,J174,J176,J177,J179	TP_5000_RED	TP_KEY_MINI	DNP					KEYSTONE	5000
62	1	J52	39-30-1060_JACK_500X540	CON_MOL_5569_6P	39-30-1060					MOLEX	39-30-1060
63	3	J55,J87,J160	HDR_2X6_F_RA	HDR_F2X6_PMOD	HDR_2X6_F_RA					SULLINS	PPPC062LJBN-RC
64	1	J71	WM2701-ND	HDR_1X3_LOCK_MOLEX	22_11_2032					MOLEX	22-11-2032
65	0	J77	HDR_1X4	HDR_1X4	DNP					SULLINS	DNP
66	2	J85,J175	HDR_1X3	HDR_1X3	HDR_1X3					SULLINS	PBC36SAAN
67	1	J96	6.92122E+11	CON_CNC_692122030100	6.92122E+11					WURTH	692122030100
68	1	J98	HDR_2X4	HDR_2X4	HDR_2X4					SULLINS	PBC36DAAN
69	1	J100	CON_MOL_10P_5025700893	CON_MOL_10P_5025700893	CON_MOL_10P_5025700893					MOLEX	5025700893
70	1	J164	ZX62D_AB_5P8	CON_HR_ZX62D_AB_5P8	ZX62D_AB_5P8					HIROSE	ZX62D-AB-5P8
71	1	J180	MOLEX-87832-1420	87832_1420	87832-1420					MOLEX	87832-1420
72	4	L6,L11,L32,L33	FERRITE-220_0603	603	FERRITE-220					TDK	MPZ1608S221A
73	2	L15,L61	BLM15EG121SN1D	402	FERRITE-120					MURATA	BLM15EG121SN1D
74	4	L16,L17,L18,L19	FERRITE-600	805	FERRITE-600					LAIRD	HZ0805E601R-10
75	8	L22,L23,L26,L27,L31,L34,L37,L40	LQW15AN20NJ00D_0402	402	20NH		5%			Murata	LQW15AN20NJ00D
76	2	L63,L64	FERRITE-600	805	FERRITE-600			X5R		LAIRD	HZ0805E601R-10
77	1	L66	FERRITE-120_0603	603	FERRITE-120					Murata	BLM18SG121TN1D
78	2	L69,L70	FERRITE-220_0603	603	FERRITE-220					TDK	MPZ1608S221A
79	2	L71,L72	SRN2512-R68M_680NH	SRN2512-R68M	680NH		20%			BOURNS	SRN2512-R68M
80	2	L73,L75	SRP4020TA-2R2M_2_2UH	SRP4020TA-2R2M	2.2UH		20%			BOURNS	SRP4020TA-2R2M
81	3	L74,L78,L81	SRN2512-2R2M_2_2UH	SRN2512-2R2M	2.2UH		20%			BOURNS	SRN2512-2R2M
82	3	L76,L77,L80	SRP4020TA-1R5M_1_5UH	SRP4020TA-1R5M	1.5UH		20%			BOURNS	SRP4020TA-1R5M
83	1	L79	SRP5030T-4R7M_4_7UH	SRP5030T-4R7M	4.7UH		20%			BOURNS	SRP5030T-4R7M
84	1	L82	VLB10050HT-R20M_200NH	VLB10050HT-R20M	200NH		20%			TDK	VLB10050HT-R20M
85	1	L83	SRP7028A-R68M_680NH	SRP7028A-R68M	680NH		20%			BOURNS	SRP7028A-R68M
86	10	L84,L85,L86,L87,L88,L89,L90,L91,L92,L93	BLM18BB221SN1D	603	FERRITE-220		XXX			MURATA	BLM18BB221SN1D
87	1	L94	SRP4020TA-1R0M_1_0UH	SRP4020TA-1R0M	1.0UH		20%			BOURNS	SRP4020TA-1R0M
88	1	M2CAGE1	M2_CAGE	M2_CAGE	M2_CAGE					LEADER TECH	20S-CBSFNSV-1.0x2.25x0.40
89	0	MH1,MH2,MH3,MH4	HOLE_MH_156_300	MH_300H156	MH_156_300					DNP	DNP
90	8	MJB1,MJB2,MJB3,MJB4,MJB5,MJB6,MJB7,MJB8	JUMPER_BLOCK_2-PIN		JUMPER_BLOCK_2-PIN					ADAMTECH	MSDA-G
91	4	MRB1,MRB2,MRB3,MRB4	RUBBER_BUMPER		RUBBER_BUMPER					KEYSTONE	720
92	7	MS1,MS2,MS3,MS4,MS5,MS6,MS8	MACHINE_SCREW_4-40		MACHINE_SCREW_4-40					OLANDER	4C25PPMZR
93	1	MS7	MACHINE_SCREW_4-40_3-16		MACHINE_SCREW_4-40					OLANDER	4C18PPMZR
94	1	MS13	MACHINE_SCREW_M3		MACHINE_SCREW_M3					EAGLE	481-0263
95	4	MSO1,MSO2,MSO3,MSO4	STANDOFF_2203		STANDOFF_0P500					KEYSTONE	2203
96	4	MW1,MW2,MW3,MW4	WASHER_FLAT_4		WASHER_FLAT_4					KEYSTONE	3348
97	1	P7	1888811-1	1888811-1	1888811-1					TE	1888811-1
98	1	P11	472720001	CON_MOLEX_47272	472720001					MOLEX	472720001
99	1	P12	L829-1J1T-43	L829-1J1T-43	RJ45					BEL FUSE	L829-1J1T-43
100	0	PB1	PWR_BRICK_12V		PWR_BRICK_12V					LTE	LTE60E-S2-1
101	1	Q4	BSS138	SOT_23	BSS138	50V			360MW	FAIRCHILD	BSS138
102	3	Q6,Q8,Q45	2N7002_215	SOT_23	2N7002_215	60V			830mW	NXP	2N7002,215

103	1	Q7	SI7157DP	PWR_56	SI7157DP	20V		104W	VISHAY	SI7157DP
104	3	Q13,Q14,Q46	NDS331N_SOT23	SOT_23	NDS331N	20V		460MW	FAIRCHILD	NDS331N
105	1	Q23	SI2300DS_SOT23	SOT_23	SI2300DS	30V		1.7W	VISHAY	SI2300DS-T1-GE3
106	2	R1,R2	5_62K_0402	402	5.49K		1%	1/10W	PANASONIC	ERJ-2RKF5491X
107	18	R3,R140,R361,R461,R463,R563,R579,R581,R705,R706,R707,R855,R881,R1054,R1055,R1173,R1174,R1175	0_0402	402	0		5%	1/10W	PANASONIC	ERJ-2GE0R00X
108	45	R13,R14,R15,R16,R17,R18,R19,R22,R32,R37,R38,R94,R107,R149,R150,R168,R178,R236,R243,R272,R273,R274,R275,R278,R505,R506,R580,R677,R717,R764,R955,R956,R957,R958,R970,R980,R1098,R1099,R1166,R1169,R1198,R1199,R1200,R1201,R1202	4_70K_0402	402	4.70K		1%	1/16W	PANASONIC	ERJ-2RKF4701X
109	15	R90,R108,R214,R285,R287,R292,R295,R303,R304,R628,R1004,R1124,R1125,R1168,R1195	100_0402	402	100		1%	1/10W	PANASONIC	ERJ-2RKF1000X
110	1	R105	1_50K_0402	402	1.50K		1%	1/10W	PANASONIC	ERJ-2RKF1501X
111	4	R106,R175,R1176,R1177	10_0402	402	10		1%	1/10W	PANASONIC	ERJ-2RKF10R0X
112	0	R109,R210,R211,R222,R230,R235,R290,R291,R297,R299,R300,R301,R313,R314,R315,R316,R317,R318,R331,R338,R373,R377,R380,R381,R383,R388,R395,R410,R411,R417,R425,R426,R512,R518,R543,R544,R587,R588,R589,R590,R597,R598,R605,R606,R611,R694,R695,R893,R894,R959,R960,R961,R962,R963,R964,R965,R966,R971,R1021,R1022,R1025,R1101,R1172,R1196,R1197	DNP_R_0402	402	DNP	DNP	DNP	DNP	DNP	DNP
113	2	R132,R133	20_5K_0402	402	20.5K		1%	1/10W	PANASONIC	ERJ-2RKF2052X
114	2	R138,R141	2_21K_0402	402	2.21K		1%	1/10W	PANASONIC	ERJ-2RKF2211X
115	1	R143	4_7M_0402	402	4.7M		5%	1/10W	PANASONIC	ERJ-2GEJ475X
116	2	R144,R145	36_0402	402	36		1%	1/10W	PANASONIC	ERJ-2RKF36R0X
117	12	R156,R164,R187,R237,R238,R239,R240,R922,R1145,R1149,R1158,R1159	499_0402	402	499		1%	1/10W	PANASONIC	ERJ-2RKF4990X
118	19	R162,R583,R584,R585,R586,R591,R592,R593,R594,R599,R600,R601,R602,R616,R617,R1183,R1184,R1187,R1193	4_99K_0402	402	4.99K		1%	1/10W	PANASONIC	ERJ-2RKF4991X
119	0	R180,R967	DNP_R_0402_25_ROUND	C402-25	DNP	DNP	DNP	DNP	DNP	DNP
120	1	R181	6_81K_0402	402	6.81K		1%	1/10W	PANASONIC	ERJ-2RKF6811X
121	10	R182,R185,R188,R189,R190,R191,R192,R194,R685,R686	49_9_0402	402	49.9		1%	1/10W	PANASONIC	ERJ-2RKF49R9X
122	4	R195,R200,R202,R212	61_9K_0402	402	61.9K		1%	1/10W	PANASONIC-ECG	ERJ-2RKF6192X
123	1	R209	11_0K_0402	402	11.0K		1%	1/10W	PANASONIC	ERJ-2RKF1102X
124	1	R227	1M_0402	402	1M		1%	1/16W	VISHAY	CRCW04021M00FKED
125	2	R241,R684	8_06K_0402	402	8.06K		1%	1/10W	PANASONIC	ERJ-2RKF8061X
126	1	R249	500_0402	402	500		0.10%	1/20W	VISHAY	PNM0402E5000BST1
127	33	R256,R260,R262,R264,R265,R266,R267,R269,R271,R644,R645,R651,R652,R688,R691,R761,R803,R804,R928,R1011,R1016,R1017,R1018,R1123,R1126,R1127,R1128,R1129,R1171,R1179,R1180,R1181,R1182	10_0K_0402	402	10.0K		1%	1/10W	PANASONIC	ERJ-2RKF1002X
128	8	R268,R448,R630,R631,R632,R633,R1075,R1076	2_00K_0402	402	2.00K		1%	1/16W	PANASONIC	ERJ-S02F2001X
129	29	R323,R326,R328,R354,R355,R356,R386,R387,R390,R392,R528,R529,R530,R531,R532,R534,R545,R546,R550,R551,R564,R570,R629,R640,R641,R709,R914,R1102,R1190	261_0402	402	261		1%	1/10W	PANASONIC	ERJ-2RKF2610X
130	46	R337,R340,R341,R342,R343,R348,R350,R359,R360,R396,R397,R398,R400,R402,R404,R405,R406,R407,R412,R435,R607,R608,R609,R610,R626,R627,R634,R681,R683,R696,R697,R723,R918,R919,R1059,R1071,R1072,R1097,R1142,R1148,R1151,R1162,R1163,R1164,R1165,R1203	1_00K_0402	402	1.00K		1%	1/16W	ROHM	MCR01MZPF1001
131	9	R345,R349,R351,R621,R622,R623,R624,R625,R968	240_0402	402	240		1%	1/10W	PANASONIC-ECG	ERJ-2RKF2400X
132	2	R353,R809	200K_0402	402	200K		1%	1/10W	PANASONIC	ERJ-2RKF2003X
133	8	R357,R358,R660,R665,R666,R667,R668,R676	100_0201	201	100		1%	1/20W	PANASONIC	ERJ-1GEF1000C
134	25	R477,R478,R479,R480,R481,R482,R483,R484,R485,R486,R487,R488,R489,R490,R491,R492,R493,R494,R495,R496,R497,R498,R499,R500,R501	39_2_0402	402	39.2		1%	1/10W	PANASONIC	ERJ-2RKF39R2X
135	1	R554	6_49K_0402	402	6.49K		1%	1/10W	PANASONIC-ECG	ERJ-2RKF6491X
136	3	R557,R558,R559	64_9K_0402	402	64.9K		1%	1/10W	PANASONIC	ERJ-2RKF6492X
137	4	R637,R700,R701,R702	100K_0402	402	100K		1%	1/10W	PANASONIC	ERJ-2RKF1003X
138	4	R658,R728,R731,R743	1_0M_0402	402	1.0M		5%	1/10W	PANASONIC	ERJ-2GEJ105X
139	1	R687	2_49K_0402	402	2.49K		1%	1/10W	PANASONIC	ERJ-2RKF2491X
140	1	R712	470K_0402	402	470K		1%	1/10W	PANASONIC	ERJ-2RKF4703X
141	2	R718,R727	60_4_0402	402	60.4		1%	1/10W	PANASONIC	ERJ-2RKF60R4X
142	2	R846,R1093	261_0201	201	261		1%	1/20W	PANASONIC	ERJ-1GEF2610C
143	1	R883	40_2_0402	402	40.2		1%	1/10W	PANASONIC	ERJ-2RKF40R2X
144	3	R912,R1103,R1104	4_02K_0402	402	4.02K		1%	1/10W	PANASONIC	ERJ-2RKF4021X
145	1	R913	18_2K_0402	402	18.2K		1%	1/10W	PANASONIC	ERJ-2RKF1822X
146	1	R915	191_0402	402	191		1%	1/16W	VISHAY	CRCW0402191RFKED
147	1	R921	20_0402	402	20		1%	1/16W	VISHAY	CRCW040220R0FKED
148	15	R931,R934,R935,R936,R937,R938,R941,R942,R943,R944,R945,R946,R947,R948,R949	30_0402	402	30		1%	1/10W	PANASONIC	ERJ-2RKF30R0X
149	7	R995,R996,R1112,R1113,R1114,R1115,R1135	3_32K_0402	402	3.32K		1%	1/10W	PANASONIC	ERJ-2RKF3321X
150	2	R997,R998	40_2K_0402	402	40.2K		1%	1/10W	PANASONIC	ERJ-2RKF4022X
151	2	R1048,R1130	12_0K_0402	402	12.0K		1%	1/10W	PANASONIC	ERJ-2RKF1202X
152	1	R1105	806_0402	402	806		1%	1/10W	PANASONIC-ECG	ERJ-2RKF8060X
153	1	R1106	68_1_0402	402	68.1		1%	1/10W	PANASONIC	ERJ-2RKF68R1X
154	2	R1107,R1152	2_32K_0402	402	2.32K		1%	1/10W	PANASONIC	ERJ-2RKF2321X
155	2	R1108,R1153	2_87K_0402	402	2.87K		1%	1/10W	PANASONIC	ERJ-2RKF2871X
156	3	R1110,R1111,R1194	29_4K_0402	402	29.4K		1%	1/10W	PANASONIC	ERJ-2RKF2942X

157	2 R1116,R1117	1_62K_0402	402	1.62K		1%	1/10W	PANASONIC-ECG	ERJ-2RKF1621X	
158	1 R1118	698_0402	402	698		1%	1/10W	PANASONIC	ERJ-2RKF6980X	
159	1 R1119	16_5K_0402	402	16.5K		1%	1/10W	PANASONIC	ERJ-2RKF1652X	
160	1 R1120	2_94K_0402	402	2.94K		1%	1/10W	PANASONIC	ERJ-2RKF2941X	
161	4 R1121,R1122,R1160,R1161	2_2_0603	603	2.2		1%	1/10W	PANASONIC	ERJ-3RQF2R2V	
162	1 R1150	2_80K_0402	402	2.80K		1%	1/10W	PANASONIC	ERJ-2RKF2801X	
163	1 R1154	3_01K_0402	402	3.01K		1%	1/10W	PANASONIC	ERJ-2RKF3011X	
164	1 R1157	23_2K_0402	402	23.2K		1%	1/10W	PANASONIC	ERJ-2RKF2322X	
165	1 R1170	4_75K_0402	402	4.75K		1%	1/10W	PANASONIC	ERJ-2RKF4751X	
166	1 R1178	LVK25R005FER	1224_SMT	0.005		1%	2W	OHMITE	LVK25R005FER	
167	2 R1191,R1192	4_42K_0402	402	4.42K		1%	1/10W	PANASONIC-ECG	ERJ-2RKF4421X	
168	3 RP1,RP2,RP5	10KX4_0603X4	RP_EXB_0603X4	10.0K		5%	1/16W	PANASONIC	EXB-V8V103JV	
169	1 SP1	SPACER_6MM_ROUND	9774025360	SPACER_6MM_ROUND				WURTH	9774025360	
170	1 SW1	1101M2S3AQE2	SW_102_1261_EV	1101M2S3AQE2				C&K	1101M2S3AQE2	
171	8 SW3,SW4,SW5,SW14,SW15,SW17,SW18,SW20	TL3301EF100QG-ND	SW_TL3301_G_4P	TL3301EF100QG				ESWITCH	TL3301EF100QG	
172	2 SW6,SW13	SDA04H1SBD	SW_SDA_8P	SDA04H1SBD				C&K	SDA04H1SBD	
173	1 U1	SOC_DA6_FFVC1156_IRONWOOD	SOC_1156_1MM_IRON	SOC_DA6_FFVC1156_IRONWOOD				XILINX	XCZU7EV-2FFVC1156E	
174	4 U2,U99,U100,U101	MT40A256M16GE_083E	FBGA_DDR4_96P	MT40A256M16GE-083E	1.2V			MICRON	MT40A256M16GE-083E:B	
175	1 U19	TMDS181IRGZT	TMDS181IRGZT	TMDS181	3.3, 1.1V			TI	TMDS181IRGZT	
176	1 U22	MAX16025	TQFN_16	MAX16025	28V			MAXIM	MAX16025TE+	
177	1 U23	M24C08-WDW6TP	TSSOP8_65P440X300MM	M24C08-WDW6TP	2.5V-5V			ST MICRO	M24C08-WDW6TP	
178	1 U25	BNX016-01	MURATA_BNX01	50MOHM				MURATA	BNX016-01	
179	1 U27	NC7SZ66	SC70_5	NC7SZ66P5X	1.65V			FAIRCHILD	NC7SZ66P5X	
180	1 U33	TXS0104E	SOIC_14	TXS0104E	1.7V-5.5V			TI	TXS0104EDR	
181	1 U34	TCA9548APWR_TSSOP_24	TSSOP_24	TCA9548APWR	1.65-5.5V			TI	TCA9548APWR	
182	3 U43,U44,U167	SN74AVC1T45	SC70_6	SN74AVC1T45	1.2V-3.6V			TI	SN74AVC1T45DCKR	
183	2 U45,U136	PCA9306DCTR	DCT_R_PDSO_G8	PCA9306DCTR	1.2-3.3V, 1.8-5.5V			TI	PCA9306DCTR	
184	4 U58,U114,U163,U165	SN74AVC4T245	QFN_RSV_16	SN74AVC4T245	1.2V-3.6V			TI	SN74AVC4T245RSVR	
185	2 U66,U68	SN74AVC8T245	TSSOP_24	SN74AVC8T245	1.2V			TI	SN74AVC8T245PWR	
186	1 U70	TPD12S016RKTR	TPD12S016RKTR	TPD12S016RKTR	5.5V			TI	TPD12S016RKTR	
187	16 U71,U72,U73,U82,U83,U89,U90,U91,U107,U110,U111,U113, U118,U123,U125,U126	TPD1E05U06DPYT	TPD1E05U06DPYT	TPD1E05U06DPYT	5.5V			TI	TPD1E05U06DPYT	
188	1 U94	SN65DP159RGZ	SN65DP159RGZ	SN65DP159RGZ	3.3, 1.1V			TI	SN65DP159RGZ	
189	1 U97	TCA6416APWR	TCA6416APWR	TCA6416A	1.65V-5.5V			TI	TCA6416APWR	
190	1 U98	DP83867IRPAP	PQFP_64_EP	DP83867IRPAP	1.8V-3.3V			TI	DP83867IRPAP	
191	1 U109	M24C64-W	TSSOP_8	M24C64-W	2.5V-5V			ST MICRO	M24C64-WDW6TP	
192	1 U115	TPD2EUSB30DRTR	DRT_R_PDSO_N3	TPD2EUSB30DRTR	5.5V			TI	TPD2EUSB30DRTR	
193	1 U116	USB3320_QFN32	USB3320_QFN32	USB3320	3.3V			SMSC	USB3320C-EZK-TR	
194	1 U119	MT25QU512ABB8ESF-0SIT	SO16_50P300X413	MT25QU512ABB8ESF-0SIT	1.7V-2V			MICRON	MT25QU512ABB8ESF-0SIT	N25Q512A11GSF40
195	1 U121	MIC2544_1YM_SOP8	SOIC_8	MIC2544A-1YM	2.7V TO 5.5V			MICREL	MIC2544A-1YM	
196	1 U122	SN65HVD232	SOIC_8	SN65HVD232	3.0V-3.6V			TI	SN65HVD232D	
197	1 U124	FIN1019	TSSOP_14	FIN1019	3.3V			FAIRCHILD	FIN1019MTC	
198	1 U128	MAX6643	QSOP16_MAX_E16_1	MAX6643	3.0-5.0V			MAXIM	MAX6643LBBAEE+	
199	1 U129	TPD8S009DSMR	SON_15P	TPD8S009DSMR	0-6V			TI	TPD8S009DSMR	
200	2 U131,U185	TPD4E05U06DQAR	DQA_R_PSON_N10	TPD4E05U06DQAR	6.5V			TI	TPD4E05U06DQAR	
201	1 U132	TPD4E001DRLR	DRL_R_PDSO_N6	TPD4E001DRLR	0.9-5.5V			TI	TPD4E001DRLR	
202	1 U145	MAX13035E	TQFN_16	MAX13035E	1.62V-3.2V,2.2-3.6V			MAXIM	MAX13035EETE+	
203	1 U148	MAX8902B	TDFN_8_EP	MAX8902B	1.7V-5.5V			MAXIM	MAX8902BATA+T	
204	1 U151	FT4232HL_64LQFP	LQFP64P50W1000	FT4232HL_64LQFP	5V,3.3V		1/10W	FTDI	FT4232HL-REEL	
205	1 U152	93LC56B_SOIC8	SOIC8P127W390	93LC56B	2.5V-5.5V			MICROCHIP	93LC56B-I/SN	
206	1 U157	MAX9100	SOT23_5	MAX9100	5.0V			MAXIM	MAX9100EUK+T	
207	1 U158	TCA9406DCUR	DCU_R_PDSO_G8	TCA9406DCUR	1.65 to 5.0V			TI	TCA9406DCUR	
208	2 U159,U186	NC7WZ07	SC70_6	NC7WZ07	5.5V			FAIRCHILD	NC7WZ07P6X	
209	1 U161	TXS0108E	TSSOP_20	TXS0108E	1.2V-3.6V,1.6-5.5V			TI	TXS0108EPWR	
210	1 U166	TL1963A_33DCYR	DCY_R_DPSO_G4	TL1963A_33DCYR	3.3V			TI	TL1963A-33DCYR	
211	2 U168,U169	SN74LVC1G08	SC70_5	SN74LVC1G08	1.65V-5.5V			TI	SN74LVC1G08DCKR	
212	1 U170	MDT420M02001	MDT420M02001	MDT420M02001				AMPHENOL	MDT420M02001	
213	1 U171	IR3823MTRPBF_3P5X3P5	IR3823MTRPBF	IR3823MTRPBF	5-21V			INFINEON	IR3823MTRPBF	
214	2 U172,U173	IR3883MTRPBF_3X3	IR3883MTRPBF	IR3883MTRPBF	2.5-14V			INFINEON	IR3883MTRPBF	
215	1 U174	IFX54441LDV_PGTSON10	IFX54441LDV	IFX54441LDV	5.5V-20V			INFINEON	IFX54441LDV	
216	2 U175,U176	TDA21240_4X4	TDA21240	TDA21240	4.5-16V			INFINEON	TDA21240	
217	3 U177,U178,U184	IR3897MTRPBF_4X5QFN	IR3897MTRPBF	IR3897MTRPBF	1-21V			INFINEON	IR3897MTRPBF	
218	2 U179,U180	IRPS5401MXI04TRPBF_7X7	IRPS5401MTRPBF	IRPS5401MXI04TRPBF	6-12V			INFINEON	IRPS5401MXI04TRP	
219	1 U181	8T49N241	8T49N241	8T49N241	2.5-3.3V			IDT	IDT8T49N241-994NLGI	
220	1 U182	8T49N287	8T49N287	8T49N287	3.3V			IDT	IDT8T49N287A-501NLGI	
221	1 U183	INA226	DGS_MSOP_10	INA226	36V			TI	INA226AIDGS	
222	2 X4,X13	25M_FA-238A_XTAL	XTAL_FA238A	25.00MHZ		15PPM		EPSON	FA-238A 25.0000ME30A-C	
223	1 X5	32K_FC-13A_XTAL	XTAL_FC13A	32.768KHZ		20PPM		EPSON	FC-13A 32.7680KA-A	
224	1 X10	24M_FA-238A_XTAL	XTAL_FA238A	24.00MHZ		30PPM		EPSON	FA-238A 24.0000MJ0YYbbJ50RG	
225	1 X11	TPD4S012	DRY_6_SON	TPD4S012	20V	20PPM	60MW	TI	TPD4S012DRYR	
226	1 X12	12M_FA-238A_XTAL	XTAL_FA238A	12.00MHZ		20PPM		EPSON	FA-238A 12.0000MA30X-C	
227	1 X14	40M_FA-238A_XTAL	XTAL_FA238A	40.00M		10PPM		EPSON	FA-238A 40.00M-COAATTG40RG	
228	0 Z5,Z6,Z7,Z8,Z9,Z10,Z11,Z12,Z13,Z15,Z16,Z17,Z18,Z20,Z21,Z22 ,Z23,Z24,Z25,Z26	0201_SHORT	0201_SHORT	0201_SHORT				NA	NA	