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#	QTY	REFDES	DEVICE	PACKAGE	VALUE	VOLTAGE	TOLERANCE	DIELECTRIC	POWER	MANF	MANF_P/N
1	1	B1	TS518FE_FL35E	TS518FE_FL35E	TS518FE-FL35E	1.5V				SEIKO	TS518FE-FL35E
2	1	B2	ML621S_DN	ML621S_DN	ML621S_DN	3V				PANASONIC - BSG	ML-621S/DN
		C1,C2,C4,C6,C7,C8,C9,C10,C11,C12,C23,C24,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46,C47,C48,C49,C50,C51,C52,C53,C54,C56,C57,C58,C59,C60,C61,C62,C63,C64,C65,C66,C67,C68,C69,C70,C90,C91,C92,C93,C94,C95,C96,C97,C98,C99,C100,C101,C102,C103,C104,C105,C106,C107,C108,C109,C110,C111,C112,C113,C114,C115,C116,C117,C118,C119,C120,C121,C122,C123,C124,C125,C126,C127,C128,C129,C130,C131,C413,C416,C417,C418,C425,C426,C427,C428,C429,C430,C431,C432,C505,C506,C509,C510,C511,C524,C525,C526,C527									
3	120		0_1UF_0402		402 0.1UF	25V	10%	X5R		TAIYO YUDEN	TMK105BJ104KV-F
4	1	C3	3300PF_0402		402 3300PF	25V	10%	X7R		PANASONIC-ECG	ECJ-0EB1E332K
		C5,C433,C434,C440,C441,C442,C443,C444,C463,C464,C465,C466,C467									
5	0		DNP_C_0402		402 DNP	DNP	DNP	XXX			
6	1	C71	0_1UF_0402		402 0.1UF	10V	10%	X5R		PANASONIC-ECG	ECJ-0EB1A104K
7	2	C83,C271	10UF_0805		805 10UF	10V	10%	X5R		MURATA	GRM21BR61A106KE19L
		C84,C85,C86,C87,C88,C89,C502,C503,C504,C518,C519,C521,C522,C523									
8	14		0_1UF_0402		402 0.1UF	10V	10%	X5R		KEMET	C0402C104K8PACTU
9	5	C132,C133,C134,C135,C136	22UF_1206		1206 22UF	25V	10%	X5R		MURATA	GRM31CR61E226KE15L
10	1	C137	2_2UF_0402		402 2.2UF	6.3V	20%	X5R		TDK	C1005X5R0J225M
		C138,C139,C140,C141,C142,C143,C144,C145,C146,C147,C520	47UF_1206		1206 47UF	10V	20%	X5R		MURATA	GRM31CR61A476ME15L
12	1	C148	10UF_0603		603 10UF	4V	20%	X5R		MURATA	GRM188R60G106ME47D
		C149,C150,C151,C152,C153,C154,C155,C156,C157	10UF_1210		1210 10UF	25V	20%	X5R		PANASONIC-ECG	ECJ-4YB1E106M
13	9		0_022UF_0402		402 0.022UF	10V	10%	X5R		KEMET	C0402C223K8PACTU
14	2	C158,C159									
		C160,C161,C162,C163,C164,C165,C166,C170,C171,C172,C173,C174,C175,C176	100UF_1206		1206 100UF	6.3	20%	X5R		TAIYO YUDEN	JMK316BJ107ML-T
15	14										
		C177,C178,C179,C180,C181,C182,C183,C184,C185,C186,C187,C188,C189,C190,C191,C512,C528	1UF_0603		603 1UF	25V	10%	X5R		MURATA	GRM188R61E105KA12D
16	17										
		C192,C193,C194,C203,C204,C205,C206,C207,C208,C209,C210,C211,C212,C213,C214,C216,C217,C218,C219,C220,C445,C446,C447,C448,C449	0_01UF_0402		402 0.01UF	25V	10%	X7R		KEMET	C0402C103K3RACTU
17	25										
18	0	C202	0_01UF_0402		402 DNP	DNP	10%	DNP		AVX	04023D103KAT2A

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19	50	C222,C223,C224,C225,C226,C227,C228,C229,C230,C231,C232,C233,C234,C235,C236,C237,C238,C239,C240,C241,C242,C243,C244,C245,C246,C247,C248,C249,C250,C251,C252,C263,C264,C265,C266,C267,C268,C269,C450,C451,C452,C453,C454,C458,C459,C468,C469,C529,C530,C531	4_7UF_0805		805 4.7UF	25V	10%	X5R		TAIYO YUDEN	TMK212BJ475KG-T
20	1	C270	5_6UF_1206		1206 5.6UF	10V	10%	X7R		KEMET	C1206C565K8RACTU
21	29	C280,C281,C282,C283,C284,C285,C286,C287,C288,C289,C290,C291,C292,C470,C471,C472,C473,C474,C475,C476,C477,C478,C479,C480,C481,C482,C483,C484,C485	0_068UF_0402		402 0.068UF	10V	10%	X5R		PANASONIC-ECG	ECJ-0EB1A683K
22	1	C293	150UF_TANT_C	TANT_C	150UF	10V	10%	TANT		AVX	TAJJC157K010RNJ
23	5	C294,C295,C296,C297,C424	1000PF_0402		402 1000PF	50V	10%	X7R		PANASONIC	ECJ-0EB1H102K
24	5	C298,C299,C300,C301,C302	16SVPF180M	OSCON_C6	180UF	16V	20%	ELEC		SANYO	16SVPF180M
25	1	C303	120UF_TANT_R	TANT_R	120UF	20V	20%	TANT		VISHAY/SPRAGUE	594D127X0020R2T
26	1	C304	4700PF_0402		402 4700PF	25V	10%	X7R		PANASONIC-ECG	ECJ-0EB1E472K
27	11	C305,C306,C307,C308,C309,C310,C311,C312,C313,C314,C535	330UF_LOW_ESR	TANT_D	330UF	10V	10%	TANT		KEMET	B45197A2337K409
28	10	C315,C316,C317,C318,C319,C320,C321,C322,C323,C324	820PF_0402		402 820PF	25V	10%	X7R		PANASONIC-ECG	ECJ-0EB1E821K
29	5	C325,C326,C327,C328,C329	4_7UF_0603		603 4.7UF	10V	10%	X5R		TDK	C1608X5R1A475K
30	6	C330,C331,C332,C333,C334,C335	18PF_0402		402 18PF	50V	5%	NPO		PANASONIC - SCD	ECU-E1H180JCQ
31	71	C336,C337,C338,C339,C340,C341,C342,C343,C344,C345,C346,C347,C348,C349,C350,C351,C352,C353,C354,C355,C356,C357,C358,C359,C360,C361,C362,C363,C364,C365,C366,C367,C368,C369,C370,C371,C372,C373,C374,C375,C376,C377,C378,C379,C380,C381,C382,C383,C384,C385,C386,C387,C486,C487,C488,C489,C490,C491,C492,C493,C494,C495,C496,C497,C498,C499,C500,C501,C536,C537,C538	0_47UF_0402		402 0.47UF	10V	10%	X5R		MURATA	GRM155R61A474KE15D
32	6	C396,C397,C398,C399,C400,C517	330UF_8_3MMX8_3MM	CAP_F	330UF	25V	20%	ELEC		PANASONIC-ECG	EEE-FK1E331P
33	11	C401,C402,C403,C404,C406,C407,C408,C409,C410,C411,C412	10UF_1206		1206 10UF	16V	20%	X5R		TDK	C3216X5R1C106M
34	1	C414	1UF_0402		402 1UF	16V	10%	X5R		TDK CORPORATION	C1005X5R1C105K
35	0	C455,C456,C457,C460,C461,C462,C532,C533,C534	DNP_C_0805		805 DNP	DNP	DNP	XXX			
36	4	C513,C514,C515,C516	100PF_0805		805 100PF	500V	5%	NPO		KEMET	C0805C101JCGACTU
37	0	CBL1	USB_MINIB_CABLE		USB_MINIB_CABLE					QUALTEK	3021009-06
38	0	CBL2	USB_MICRO_CABLE		USB_MICRO_CABLE					ASSMANN	AK67421-2-R
39	0	CBL3	PC_POWER_CABLE		PC_POWER_CABLE					ADAMTECH	PC-0102060AC03
40	3	D1,D2,D3	BZX84C4V7_SOT23	SOD_123	BZT52C5V1-TP	5.1V	0		500MW	MICRO COMMERCIAL	BZT52C5V1-TP
41	1	D4	DFLS1150	DIO_DFS1150_7	DFLS1150	820MV				DIODES INC	DFLS1150-7

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42	3	D5,D6,D7	BAT54T1G	SOD_123	BAT54T1G	30V			400MW	ON SEMICONDUCTOR	BAT54T1G
43	1	D8	BAS40_04_SOT23	SOT_23	BAS40-04	40V			200MW	MICRO COMMERCIAL	BAS40-04-TP
44	5	D9,D10,D11,D12,D13	1N5335BRLG	T-18_AXIAL	1N5335BRLG	3.9V			320MA	ON SEMICONDUCTOR	1N5335BRLG
45	4	DP1,DP2,DP3,DP4	RCLAMP0524P	RCLAMP0524P	RCLAMP0524P	15V		DIEL		SEMTECH	RCLAMP0524P.TCT
46	1	DS1	LED-RED-SMT	LED_0805	LED-RED-SMT	2.1V			20MA	AVAGO	HSMS-C170
47	1	DS2	HSMF-C155	HSMF_C15X	LED-GRN-RED	2.0V			2.0-20MA	AVAGO	HSMF-C155
48	14	DS3,DS6,DS7,DS8,DS12,DS15,DS16,DS17,DS18,DS19,DS20,DS21,DS22,DS23	LED-GRN-SMT_LED_0603	LED_0603	LED-GRN-SMT	2.2V			2.2-20MA	LUMEX	SML-LX0603GW-TR
49	4	DS4,DS13,DS14,DS24	LED-GREEN-SMT_LED_0603	LED_0603	LED-GRN-SMT	2.1V			30MA	EVERLIGHT	EL-19-21VGC/TR8
50	1	DS5	LED-RED-SMT_LED_0603	LED_0603	LED-RED-SMT	2.0V			2.0-20MA	LUMEX	SML-LX0603IW-TR
51	1	J1	ZX62D_AB_5P8	ZX62D_AB_5P8	ZX62D_AB_5P8					HIROSE	ZX62D-AB-5P8
52	1	J2	MOLEX-87832-1420	87832_1420	87832-1420					MOLEX	87832-1420
53	2	J3,J4	ASP_134603_01	ASP_134603_01	ASP_134603_01					SAMTEC	ASP_134603_01
54	16	J5,J6,J7,J8,J9,J10,J11,J12,J13,J14,J15,J43,J44,J53,J56,J65	HDR_1X2	HDR_1X2	HDR_1X2					SULLINS	PBC36SAAN
55	0	J17	DNP_HDR_1X2	DNP	DNP					SULLINS	DNP
56	1	J17	CONN_USB_MINI_B_TH	CONN_USB_MINI_B_TH	CONN_USB_MINI_B_TH					MOLEX	54819-0589
57	0	J20,J21,J22,J25,J26	DNP_HDR_1X3	HDR_1X3	DNP					SULLINS	DNP
58	12	J27,J28,J30,J31,J32,J33,J34,J35,J36,J37,J38,J70	HDR_1X3	HDR_1X3	HDR_1X3					SULLINS	PBC36SAAN
59	1	J39	TP_5004_YELLOW	TP_KEY_MINI	YELLOW					KEYSTONE	5004
60	1	J40	SAMTEC_TST_110_XX_X_D	SAMTEC_TST_110_XX_X_D	TST-110-01-G-D					SAMTEC	TST-110-01-G-D
61	2	J41,J58	SAMTEC_TST_110_XX_X_D	SAMTEC_TST_110_XX_X_D	TST-110-01-G-D					SAMTEC	TST-110-01-G-D
62	1	J52	HDR_2X5_ALT	CON_MOLEX_87832_1020	HDR_2X5_ALT					MOLEX	878321020
63	2	J54,J63	HDR_2X6	HDR_2X6	HDR_2X6					SULLINS	PBC36DAAN
64	1	J59	HDR-2X5-SHR HDR-2X5-SHR	HDR_BOX_2X5	HDR_BOX_2X5					ASSMANN	AWHW10G-0202-T-R
65	1	J60	39-30-1060 JACK_500X540	CON_MOL_5569_6P	39-30-1060					MOLEX	39-30-1060
66	1	J61	WM2701-ND	HDR_1X3_LOCK_MOLEX	22_11_2032					MOLEX	22-11-2032
67	1	J62	HDR_1X6	HDR_1X6	HDR_1X6					SULLINS	PBC36SAAN
68	1	J64	67840-8001	CON_MOLEX_SD_67840	67840-8001					MOLEX	67840-8001
69	4	J66,J67,J68,J69	TP_5001_BLACK	TP_KEY_MINI	BLACK					KEYSTONE	5001
70	1	J71	TP_5000_RED	TP_KEY_MINI	RED					KEYSTONE	5000
71	5	L1,L2,L3,L4,L5	FERRITE-600		805 FERRITE-600		XXX			LAIRD	HZ0805E601R-10
72	1	L6	FERRITE-120_0603		603 FERRITE-120		XXX			MURATA	BLM18SG121TN1D
73	15	L8,L9,L10,L11,L12,L13,L14,L15,L20,L21,L22,L23,L24,L25,L31	FERRITE-220_0603		603 FERRITE-220		XXX			TDK	MPZ1608S221A
74	4	L16,L17,L18,L19	FERRITE-220_0603		603	0	5%			PANASONIC	ERJ-3GEY0R00V
75	5	L26,L27,L28,L29,L30		2773021447	2773021447	FERRITE-78		XXX		FAIR-RITE	2773021447
76	0	MH1,MH2,MH3,MH4,MH5,MH6	HOLE_MH_125_250	MH_250H125	MH_125_250					DNP	DNP
77	4	MJB1,MJB2,MJB3,MJB4	JUMPER_BLOCK_2-PIN		JUMPER_BLOCK_2-PIN					ADAMTECH	MSDA-G
78	6	MN1,MN2,MN3,MN4,MN5,MN6	NUT_SS_4-40		NUT_SS_4-40					ANY	ANY
79	6	MRB1,MRB2,MRB3,MRB4,MRB5,MRB6	RUBBER BUMPER		RUBBER BUMPER					KEYSTONE	720
80	12	MS1,MS2,MS3,MS4,MS5,MS6,MS12,MS13,MS14,MS15,MS16,MS17	MACHINE_SCREW_4-40		MACHINE_SCREW_4-40					ANY	ANY
81	6	MSO1,MSO2,MSO3,MSO4,MSO5,MSO6	STANDOFF_1808		STANDOFF_OP625					KEYSTONE	1808
82	1	P1	500254_1927	CON23_MOLEX_HDMI_RA	500254-1927					MOLEX	500254-1927
83	1	P2	RJ45_HFJ11-1G01E	RJ45_HFJ11_1G01E	RJ45					HALO	HFJ11-1G01ERL
84	1	PB1	PWR_BRICK_12V		PWR_BRICK_12V					LTE	LTE60E-S2-1
85	15	Q1,Q7,Q8,Q9,Q11,Q13,Q14,Q15,Q16,Q17,Q18,Q19,Q20,Q21,Q22	NDS331N_SOT23	SOT_23	NDS331N	20V			460MW	FAIRCHILD	NDS331N
86	2	Q3,Q12	NDS331N_SOT23	SOT_23	NDS331N	20V			460MW	FAIRCHILD	NDS331N
87	3	Q4,Q5,Q6	FCX491A_SOT_89	SOT_89	FCX491A	40V			1W	ZETEX	FCX491ATA

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	88	63 R1,R2,R13,R14,R20,R26,R27,R28,R31,R32,R33,R34,R35,R36,R37,R38,R39,R40,R41,R42,R43,R44,R45,R48,R49,R51,R53,R54,R55,R56,R57,R58,R59,R60,R61,R320,R322,R352,R354,R356,R357,R367,R368,R369,R370,R371,R372,R373,R374,R375,R376,R380,R381,R398,R399,R400,R401,R408,R413,R414,R418,R419,R429	4_7K_0402		402 4.7K		5%		1/10W	PANASONIC	ERJ-2GEJ472X
	89	2 R15,R16	4_7K_0402		402 4.7K		5%		1/10W	PANASONIC	ERJ-2GEJ472X
	90	0 R17,R18	4_7K_0402		402 DNP		5%		1/10W	PANASONIC	ERJ-2GEJ472X
	91	0 R29,R30,R46,R47,R216,R217,R218,R219,R220,R221,R222,R223,R321,R360,R430,R431,R432,R437,R438,R441,R442	DNP_R_0402		402 DNP		DNP		DNP		
	92	46 R52,R177,R178,R179,R180,R181,R182,R183,R184,R185,R186,R187,R188,R189,R190,R191,R192,R193,R194,R195,R196,R197,R198,R199,R200,R201,R202,R203,R204,R205,R206,R207,R208,R209,R210,R211,R212,R213,R214,R215,R308,R366,R386,R421,R423,R428	10_0K_0402		402 10.0K		1%		1/10W	PANASONIC	ERJ-2RKF1002X
	93	3 R62,R63,R323	80_6_0402		402 80.6		1%		1/10W	PANASONIC	ERJ-2RKF80R6X
	94	10 R65,R66,R67,R68,R69,R70,R71,R72,R73,R74	4_22K_0402		402 4.22K		1%		10-Jan	PANASONIC	ERJ-2RKF4221X
	95	10 R75,R76,R77,R78,R79,R80,R81,R82,R83,R84	LVK25R005FER	1224_SMT		0.005	1%		2W	OHMITE	LVK25R005FER
	96	7 R85,R86,R87,R88,R89,R90,R91	20_5K_0402		402 20.5K		1%		1/10W	PANASONIC	ERJ-2RKF2052X
	97	4 R92,R93,R379,R420	249_0402		402 249		1%		1/10W	PANASONIC	ERJ-2RKF2490X
	98	1 R94	22_0402		402 22		1%		1/10W	PANASONIC-ECG	ERJ-2GEJ220X
	99	3 R95,R96,R440	49_9_0201		201 49.9		1%		1/20W	PANASONIC-ECG	ERJ-1GEF49R9C
	100	6 R97,R98,R99,R100,R102,R103	787_0402		402 787		1%		1/10W	PANASONIC	ERJ-2RKF7870X
	101	0 R101,R394,R395,R396,R397	DNP_R_0402		402 DNP		DNP		DNP	DNP	DNP
	102	1 R107	887_0402		402 887		1%		1/10W	PANASONIC-ECG	ERJ-2RKF8870X
	103	1 R108	27_4K_0402		402 27.4K		1%		1/10W	PANASONIC	ERJ-2RKF2742X
	104	5 R109,R110,R111,R112,R113	2_43K_0402		402 2.43K		1%		1/10W	PANASONIC	ERJ-2RKF2431X
	105	1 R114	5_62K_0402		402 5.62K		1%		1/10W	PANASONIC	ERJ-2RKF5621X
	106	21 R115,R116,R117,R118,R119,R120,R121,R123,R124,R126,R127,R128,R129,R130,R131,R132,R133,R134,R135,R136,R137	30_0402		402 30		1%		1/10W	PANASONIC	ERJ-2RKF30R0X
	107	3 R138,R139,R140	8_06K_0402		402 8.06K		1%		1/10W	PANASONIC	ERJ-2RKF8061X
	108	1 R141	1_07K_0402		402 1.07K		1%		1/16W	VISHAY	CRCW04021K07FKED
	109	1 R142	86_6K_0402		402 86.6K		1%		1/10W	PANASONIC	ERJ-2RKF8662X
	110	2 R168,R417	100_0201		201 100		5%		1/20W	PANASONIC	ERJ-1GEJ101C
	111	6 R170,R171,R172,R173,R174,R175	100_0402		402 100		1%		1/10W	PANASONIC	ERJ-2RKF1000X
	112	1 R226	100K_0402		402 100K		1%		1/10W	PANASONIC	ERJ-2RKF1003X
	113	1 R227	100K_0402		402 100K		5%		1/10W	PANASONIC	ERJ-2GEJ104X

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114	24	R228,R229,R230,R231,R232, R233,R234,R235,R236,R237, R238,R239,R240,R241,R296, R363,R425,R426,R427,R433, R434,R435,R439,R443	0_0402		402	0	5%		1/10W	PANASONIC	ERJ-2GE0R00X
115	31	R242,R243,R244,R245,R247, R248,R249,R250,R251,R252, R253,R254,R255,R256,R257, R258,R259,R260,R261,R262, R263,R264,R265,R266,R267, R268,R269,R270,R271,R310, R387	1_00K_0402		402	1.00K	1%		1/16W	ROHM	MCR01MZPF1001
116	0	R246	1_00K_0402		402	DNP	1%		1/16W	ROHM	DNP
117	1	R272	2_7K_0402		402	2.7K	1%		1/10W	PANASONIC	ERJ-2RKF2701X
118	7	R273,R274,R275,R388,R389, R390,R391	2_00K_0402		402	2.00K	1%		1/16W	PANASONIC	ERJ-S02F2001X
119	18	R276,R277,R278,R279,R280, R316,R317,R318,R393,R404, R405,R406,R407,R409,R410, R411,R412,R416	261_0402		402	261	1%		1/10W	PANASONIC	ERJ-2RKF2610X
120	2	R281,R282	60_4_0402		402	60.4	1%		1/10W	PANASONIC	ERJ-2RKF60R4X
121	1	R295	1_0M_0402		402	1.0M	5%		1/10W	PANASONIC	ERJ-2GEJ105X
122	1	R297	4_99K_0402		402	4.99K	1%		1/10W	PANASONIC	ERJ-2RKF4991X
123	4	R298,R299,R300,R301	75K_0402		402	75K	1%		1/10W	PANASONIC	ERJ-2RKF7502X
124	1	R324	330_0603		603	330	5%		1/10W	PANASONIC	ERJ-3GEYJ331V
125	24	R325,R326,R327,R328,R329, R330,R331,R332,R333,R334, R335,R336,R337,R338,R339, R340,R341,R342,R343,R344, R345,R346,R347,R436	40_2_0402		402	40.2	1%		1/10W	PANASONIC	ERJ-2RKF40R2X
126	4	R348,R349,R350,R351	240_0402		402	240	1%		1/10W	PANASONIC-ECG	ERJ-2RKF2400X
127	2	R402,R403	24_9_0402		402	24.9	1%		1/10W	PANASONIC	ERJ-2RKF24R9X
128	2	SW1,SW2	EVQ-11L07K	EVQ_11L07K	EVQ-11L07K					PANASONIC	EVQ-11L07K
129	5	SW4,SW5,SW7,SW13,SW14	TL3301EF100QG-ND	SW_TL3301_G_4P	TL3301EF100QG					ESWITCH	TL3301EF100QG
130	3	SW10,SW12,SW15	SDA02H1SBD	SW_SDA_3P	SDA02H1SBD					C&K	SDA02H1SBD
131	1	SW11	1201M2S3ABE2_SLIDE_2POS	SW_450_500	1201M2S3AQE2					C&K	1201M2S3AQE2
132	1	SW16	SPDT_SW_DIP_5	SPDT_SW_DIP_5	SPDT_SW_DIP_5					CTS	206-125
133	1	U1	XC7Z020-1CLG484C	SOC_IRON_CL484	XC7Z020-1CLG484C					XILINX	XC7Z020-1CLG484C
134	1	U2	MAX16025	TQFN_16	MAX16025	28V				MAXIM	MAX16025TE+
135	1	U3	TXS0104E	SOIC_14	TXS0104E	1.7V-5.5V				TI	TXS0104EDR
136	3	U4,U5,U6	CD74HC4051_TSSOP-16	TSSOP_16	CD74HC4051	3.3V				TI	CD74HC4051PWT
137	1	U7	M24C08-WDW6TP	TSSOP8_65P440X300MM	M24C08-WDW6TP	2.5V-5V				ST MICRO	M24C08-WDW6TP
138	1	U8	SN74AVC2T245	QFN_RSW_10	SN74AVC2T245	1.2V-3.6V				TI	SN74AVC2T245RSWR
139	1	U9	USB3320_QFN32	USB3320_QFN32	USB3320	3.3V				SMSC	USB3320C-EZK-TR
140	1	U10	ADP123	TSOT_5	ADP123	0.8V-5.0V				ANALOG DEVICES	ADP123AUJZ-R7
141	1	U13	MIC2025_SOP8	SOP127P500X600_8	MIC2025	2.7V TO 5.5V				MICREL	MIC2025-1YM
142	1	U14	TJA1040	SOIC_8	TJA1040	3.3V-5V				NXP SEMICONDUCTORS	TJA1040T/VM,118
143	1	U15	SN74LV541APWR	TSSOP_20	SN74LV541APWR	3.3V				TI	SN74LV541APWR
144	1	U16	RTC8564JE_VSOJ_20	RTC8564JE_VSOJ_20	RTC8564JE	3.3V				EPSON	RTC-8564JE:3:ROHS
145	5	U17,U18,U19,U20,U21	PTD08D210W	EFS_R_PDSS_T22	PTD08D210WAC	12V				TI	PTD08D210WAC
146	1	U22	TPS51200DRCT	SON10_TPSS1200	TPS51200DRCT	2.5VIN 2.5V-1.1V				TI	TPS51200DRCT
147	1	U23	DIGILENT_USB_JTAG2	DIGILENT_USB_JTAG2	DIGILENT_USB_JTAG 2	1.8-5V				DIGILENT	JTAG-SMT1
148	2	U25,U26	NC7SZ66	SC70_5	NC7SZ66P5X	1.65V-5.5V				FAIRCHILD	NC7SZ66P5X
149	1	U28	570BAB000544DG_5X7	SI570	10MHZ-810MHZ		50PPM			SILABS	570BAB000544DG
150	1	U29	REF3012AIDBZT_SOT23_3	SOT23_3	REF3012AIDBZT	1.25V				TI	REF3012AIDBZT
151	1	U30	LMZ12002	TO_PMOD_7	LMZ12002	0.8-6V				NATIONAL	LMZ12002TZ-ADJ/NOPB
152	1	U31	SIT8102	OSC_SIT8102_PKG2	12.00000MHZ		50PPM			SITIME	SIT8102AN-23-25E-12.0000T
153	3	U32,U33,U34	UCD9248PFC_QFP50P14X14-80	PFC_S_PQFP_G80	UCD9248PFC	3.3V				TI	UCD9248PFC
154	1	U35	88E1116R	QFN_64	88E1116R	3.3V-1.8V				MARVELL	88E1116RA0-NNC1C000
155	1	U36	CP2103GM_MLP-28	QFN_28	CP2103GM	3.3V				SILICON LABS	CP2103-GM
156	4	U37,U38,U39,U71	SN74AVC1T45	SC70_6	SN74AVC1T45	1.2V-3.6V				TI	SN74AVC1T45DCKR
157	1	U40	ADV7511	LQFP100_14X14	ADV7511	5V				ANALOG	ADV7511KSTZ-P

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#	QTY	REFDES	DEVICE	PACKAGE	VALUE	VOLTAGE	TOLERANCE	DIELECTRIC	POWER	MANF	MANF_P/N
158	1	U41	N25Q128A	SO16_50P300X413	N25Q128A	1.7V-2.0V				MICRON	N25Q128A11ESF40
159	1	U43	SIT9102	OSC_EG2121CA_6P	200MHZ					SITIME	SIT9102AI-243N25E200.0000
160	1	U44	PCA9548ARGER_QFN24	QFN_24	PCA9548ARGER	2.3-5.5V				TI	PCA9548ARGER
161	10	U45,U46,U47,U48,U49,U50, U51,U52,U53,U54	INA333_MSOP-8	MSOP_8	INA333	5V				TI	INA333AIDGKR
162	2	U56,U57	PCA9517	SOIC_8	PCA9517	2.7V				TI	PCA9517DR
163	1	U62	SN74LVC1G11	SC70_6	SN74LVC1G11	1.65V-5.5V				TI	SN74LVC1G11DCKR
164	1	U64	SN74LVC1G08	SC70_5	SN74LVC1G08	1.65V-5.5V				TI	SN74LVC1G08DCKR
165	1	U65	SIT8103	OSC_SIT8103_PKG2	33.33333MHZ		50PPM			SITIME	SIT8103AC-23-18E-33.33333
166	4	U66,U67,U68,U69	MT41J256M8HX_15E	FBGA_DDR3_78P	MT41J256M8HX_15E	1.5V				MICRON	MT41J256M8HX-15E
167	2	U70,U79	TXS0108E	TSSOP_20	TXS0108E	1.2V-3.6V,1.6-5.5V				TI	TXS0108EPWR
168	3	U75,U76,U77	TS5A3359DCUR	TS5A3359	TS5A3359DCUR	1.65-5.5V				TI	TS5A3359DCUR
169	1	U78	BNX016-01	BNX016-01	50MOHM					MURATA	BNX016-01
170	1	U80	TCA6416APWR	TCA6416APWR	TCA6416A	1.65V-5.5V				TI	TCA6416APWR
171	1	U81	TXS0102	TBD13	TXS0102	1.65V-5.5V				TI	TXS0102DCUR
172	3	U83,U84,U86	NC7WZ07	SC70_6	NC7WZ07	5.5V				FAIRCHILD	NC7WZ07P6X
173	1	U87	MAX13035E	TQFN_16	MAX13035E	1.62V-3.2V,2.2-3.6V				MAXIM	MAX13035EETE+
174	1	X1	XTAL_MA506	XTAL_MA506	25.00MHZ		50PPM			EPSON	MA-506-25.000M-C0:ROH
175	1	X2	24MHZ_HC49SD	SMT_CRYST_2	24.000MHZ		30PPM			CITIZEN	HCM49-24.000MABJ-UT
176	1	X3	SP0503BAHT_SOT143	SOT143	SP0503BAHTG	12V			200MW	LITTELFUSE	SP0503BAHTG
177	0	Z1,Z2,Z3,Z4,Z5,Z6,Z7,Z8,Z9, Z10,Z11	0603_SHORT	0603_SHORT	0603_SHORT					DNP	DNP
178	0	Z12	GND_SHORT	GND_SHORT	GND_SHORT					DNP	DNP
1102											