

ITEM	QTY	REFERENCE DESIGNATORS	DESCRIPTION	MANUFACTURER	MAN PART NUMBER
1	1	N/A	3.5" x 2.15" 6 Layer PCB Rev C		
2	1	N/A	4GB microSD card	Kingston	
3	7	C1,C2,C6,C100,C121,C139,C152	CAP CER 4.7UF 6.3V X5R 0603	Murata	GRM188R60J475ME19D
4	20	C3,C4,C5,C8,C9,C10,C14,C15,C17,C18,C19,C31,C32,C44,C50,C69,C89,C135,C159,C165	CAP CER 10UF 10V Y5V 0805	TDK	C2012Y5V1A106Z
5	1	C7	CAP CER 4.7UF 50V X5R 10% 0805	TDK	C2012X5R1H475K
6	2	C16,C116	CAP CER 22UF 6.3V X5R 20% 0805	TDK	C2012X5R0J226M/1.25
7	1	C20	CAP CER 2.2UF 6.3V X5R 10% 0402	TDK	C1005X5R0J225K
8	81	C21,C22,C25,C28,C29,C33,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C45,C46,C47,C48,C49,C51,C52,C53,C54,C55,C56,C57,C58,C59,C60,C61,C62,C63,C64,C65,C66,C67,C68,C70,C71,C72,C73,C74,C75,C76,C77,C78,C79,C80,C81,C82,C86,C87,C88,C90,C91,C92,C93,C94,C95,C96,C98,C99,C103,C104,C105,C106,C107,C108,C109,C110,C111,C112,C113,C114,C115,C117,C118,C134,C154	Capacitor 0.01uF 16V 10% 0402	Panasonic	ECJ-0YB1C103K
9	0	C23,C24	CAP CER 25PF 100V NPO 0805	AVX	08051A250JAT2A
	2		CAP CERM 22PF 5% 100V NPO 0805	AVX	08051A220JAT2A
10	4	C26,C27,C137,C144	CAP CER 18PF 50V COG 5% 0402	TDK	C1005C0G1H180J
11	1	C30	CAP_CER_0.001UF_16V_X7R_0402	Yageo	CC0402KRX7R7BB102
12	5	C83,C84,C85,C97,C125	Capacitor 1uF 10V Ceramic 10% 0402	AVX	0402ZD105KAT2A
13	25	C102,C119,C120,C122,C123,C136,C138,C140,C141,C142,C143,C147,C148,C149,C150,C151,C156,C157,C158,C160,C161,C162,C163,C164,C166	Capacitor 0.1uF 16V 10% 0402 X7R	Kemet	C0402C104K4RACT
14	0	C124	Capacitor 470pF 25V 10% X7R	Panasonic	ECJ-0EB1E471K
	1		CAP CER 470PF 50V 10% X7R 0402	Murata	GRM155R71H471KA01D
15	1	C130	CAP CER 22000PF 10V X7R 10% 0402	Taiyo Yuden	LMK105B7223KV-F
16	2	C131,C132	CAP CER 30PF 50V COG 0402	TDK	C1005C0G1H300J
17	1	C133	CAP_TANT_100UF_6.3V_3528-21	Kemet	B45196H1107M309
18	2	C153,C155	CAP CER 27PF 50V 5% COG 0402	Murata	GRM1555C1H270JZ01D
19	0	D1,D2,D3,D4,D5	LED Green SMD 20mA 2V 0805	Dialight	598-8170-107F
	5		LED GREEN CLEAR 0805 SMD	Lite-On	LTST-C170KGKT

20	8	FB1,FB2,FB3,FB4,FB5,FB6,FB7,FB8	Ferrite Bead 150 Ohm 800mA	Steward	LI0805H151R-10
21	0	L1,L2,L3	Inductor 2.2uH smt 2.6A, 58 milliohm	TDK	VLCF5020T-2R2N2R6-3
	0		Inductor 2.2uH smt 2.6A, 58 milliohm	TDK	VLC5020T-2R2N
	3		COIL CHOKE 2.2UH SHIELDED SMD	Panasonic-ECG	ELL-5PR2R2N
22	0	P2	CONN RCPT USB TYPE A R/A PCB	FCI	87520-0010BLF
	1		CONN USB RECEPT R/A TYPE A 4POS	TE-Connectivity	292303-1
23	1	P3	CONN RECEPT USB 5POS RT ANG SMD	Molex	56579-0576
24	1	P4	Connector SD/MMC	Molex	SD-502570-001
25	1	P5	CONN POWER JACK 2.1MM	CUI	PJ-002A
26	1	P6	CONN HEADER FEM 10POS .1" DL TIN	Sullins	PPTC052LFBN-RC
27	0	P8,P9	NN HEADER FMAL 46PS.1" DL GOLD	Sullins	PPPC232LFBN-RC
	2		NN HEADER FMAL 46PS.1" DL GOLD	MLE	SSHS-123-D-02-GT-LF
28	0	P10	RJ-45 10/100 W/Magnetics	Wurth	7499010211A
	0		RJ-45 10/100 W/Magnetics	Wurth	7499011212A
	0		RJ-45 10/100 W/Magnetics	Wurth	7499011212
	1		RJ-45 10/100 W/Magnetics	LINK-PP	LPJ0011BBNL
	0		RJ-45 10/100 W/Magnetics	BOTHHAND	LU1S041F-43LF
29	0	Q1,Q2	TRANS NPN/NPN W/RES 50V SMINI6	Panasonic	DMC564040R
	1		TRANS PREBIASED DUAL NPN	Diodes, Inc	DDC114YU-7-F
30	7	R1,R77,R152,R162,R176,R179,R186	RES 4.75K OHM 1/16W 1% 0402 SMD	Stackpole Electronics	RMCF0402FT4K75
31	5	R2,R18,R145,R157,R167	RES 12.1K OHM 1/16W 1% 0402 SMD	Yageo	RC0402FR-0712K1L
32	2	R3,R138	RES .10 OHM 1/8W 5% 0805	CTS	73L3R10J
33	3	R4,R7,R131	RES 1.50K OHM 1/16W 1% 0402 SMD	Yageo	RC0402FR-071K5L
34	7	R6,R96,R97,R98,R99,R16,R128	RES 470 OHM 1/10W 5% 0402 SMD	Panasonic	ERJ-2GEJ471X
35	28	R8,R9,R20,R80,R81,R82,R84,R94,R10 3,R105,R106,R107,R108,R109,R110,R 111,R112,R113,R115,R116,R117,R11 8,R119,R149,R151,R156,R159,R203,E 81	Resistor 100Kohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT100K
36	28	R11,R12,R13,R14,R15,R19,R22,R24,R 27,R28,R78,R120,R121,R142,R146,R1 61,R163,R164,R165,R166,R168,R169, R170,R171,R172,R197,R199,R204	Resistor Zero ohm Jumper 0402	Yageo	RC0402JR-070RL
37	1	R17	RES 1.10K OHM 1/16W 1% 0402 SMD	Yageo	RC0402FR-071K1L

38	24	R18,R23,R79,R122,R123,R124,R125,R141,R147,R148,R158,R173,R174,R187,R190,R191,R192,R193,R194,R195,R196,R212,R214,R216	Resistor 10Kohm 1/16W 5% 0402	Rohm	MCR01MZPJ103
39	1	R21	Resistor 1Mohm 1/16W 1% 0402	Stackpole Electronics	RMCF0402FT1M00
40	48	R25,R26,R29,R30,R31,R32,R33,R34,R35,R36,R37,R38,R39,R40,R41,R42,R43,R44,R45,R46,R47,R48,R49,R50,R51,R52,R53,R54,R55,R56,R57,R58,R59,R60,R61,R62,R63,R64,R65,R66,R67,R68,R70,R71,R72,R73,R69,R201	Resistor 33ohm 1/16W 5% 0402	Panasonic	ERJ-2GEJ330X
41	4	R74,R75,R175,R188	RES 2.20K OHM 1/16W 1% 0402 SMD	Yageo	CRCW04022K20JNED
42	0	R76	RES 50 OHM 2W 1% WW-4124	Stackpole Electronics	SM4124FB50R0
43	5	R129,R130,R133,R134.R76	RES 49.9 OHM 1/16W 1% 0402 SMD	Yageo	RC0402FR-0749R9L
44	1	R144	RES 10 OHM 1/16W 1% 0402 SMD	Stackpole Electronics	RMCF0402FT10R0
45	10	R132,R135,R136,R137,R139,R153,R205,R206,R207,R208	RES 100 OHM 1/16W 1% 0402 SMD	Panasonic	ERJ-2RKF1000X
46	1	R189	RES 30.1K OHM 1/16W 1% 0402 SMD	Yageo	RC0402FR-0730K1L
47	1	R150	RES 52.3K OHM 1/10W 1% 0402 SMD	Panasonic	ERJ-2RKF5232X
48	1	S1	SWITCH TACT SPST W/GND SMD	Omron	B3U-1100P
49	1	U1	IC CTRLR OVP 28V W/NMOS 6-DFN	On Semiconductor	NCP349MNAETBG
50	1	U2	Integrated Power Management Unit	TI	TPS65217B
51	1	U5	SubArctic Cortex A8 Processor 15x15	TI	AM3359ZCZ
52	1	U6	256MB(128Mx16)x1 400MHz	Micron	MT47H128M16RT-25E:C
53	1	U7	IC EEPROM 32KBIT 400KHZ SOT23-6	ON	CAT24C256WI-G
54	1	U8	IC REG LDO CAP FREE 8-SON	TI	TPS73701DRBR
55	1	U9	IC 1.5A PWR DIST SWITCH 8-SOIC	TI	TPS2051BDGN
	0		IC 1.5A PWR DIST SWITCH 8-SOIC	TI	TPS2051ADGN
	0		IC 1.5A PWR DIST SWITCH 8-SOIC	TI	TPS2051DGN
56	1	U10	IC 4CH ESD SOLUTION W/CLAMP 6SON	TI	TPD4S012DRYR
57	1	U11	IC USB 2.0 HS HUB CTRLR 28QFN	SMSC	USB2412-DZK-TR
58	1	U12	IC USB HS DUAL UART/FIFO 64-LQFP	FTDI	FT2232HL
59	1	U13	IC EEPROM 2KBIT 2MHZ SOT23-6	Microchip	93LC56BT-I/OT
60	1	U14	IC DUAL 2-IN NAND GATE US8	TI	SN74LVC2G00DCUR
61	1	U15	TXRX ETHERNET 10/100 RMII	SMSC	LAN8710A-EZK-TR

61	0	U15	TXRX ETHERNET 10/100 RMII	SMSC	LAN8710A-EZC-TR
62	1	U16	IC BUFF/DVR DL NON-INV SC706	TI	SN74LVC2G07DCKR
63	1	U17	IC GATE POS-AND DL 2INP LP 8US8	TI	SN74AUP2G08DCU
64	1	Y1	Crystal 32.768KHz	Epson	MC-30632.7680k-A
65	2	Y3,Y5	CRYSTAL 24.0000MHZ 18PF SMD	Citizen	CS325-24.000MABJ-UT
66	1	Y4	Crystal 25MHz	Abracon	ABM3-25.000MHz-B2-T
67	1	Y6	CRYSTAL 12.000 MHZ 20PF SMD	ECS	ECS-120-20-30B-TR

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TOTAL PARTS