

planespotter.PrjPCB						
Bill of Materials						
Electric Imp, Inc						
1.0						
6/10/2015 2:13:22 PM						
#	Part Number	Designator	Quantity	Description	Manufacturer	Manufacturer Part Number
1	CAPC00037	C11, C12, C13	3	CAP,X5R,10uF,10%,16V,0805,#	Taiyo Yuden, Samsung	EMK212BJ106KG-T, CL21A106KOQNNNE, CL21A106KOQNNNE
2	CAPC00005	C51, C52, C53, C54	8	CAP,X5R,1.0uF,10%,6.3V, 0402,#	Murata	GRM155R60J105KE19D
3	CAPC00002	C30, C31, C102, C110	4	CAP,X5R,0.1uF,10%,6.3V, 0402,#	TDK	C1005X5R0J104K
4	CAPC00048	C32	1	CAP,C0G,330pF,5%,50V,0402	Taiyo Yuden	UMK105CG331JV-F
5	CAPC00097	C50	1	CAP,X5R,4.7uF,20%,6.3V, 0402	Samsung	CL05A475MQ5NRNC
6	CAPC00100	C55, C56	2	CAP,C0G,2pF,±0.25pF,50V,0402	Samsung	CL05C020CB5NNNC
7	CAP00012	C100, C101, C104	3	CAP,39pF,50V,5%,NP0,0402	Samsung	CL05C390JB5NNNC
8	CAPC00043	C103, C109	2	CAP,C0G,100pF,5%,50V,0402	Yageo	CC0402JRNPO9BN101
9	CAPC00008	C105, C106	2	CAP,C0G,10pF,+/-0.25pF,50V, 0402	Samsung	CL05C100CB5NCNC
10	LED00009	D30	1	LED, Red and Green, Side-view, Com	SunLED	XZMDKVG88W
11	LED00051	D40, D41, D42	3	LED, Green, 2.1V, 569nm, 10mcd, 06	Liteon	LTST-S270GKT
12	USB00005	J10	1	Conn, USB, RCPT, Type B, Micro, Su	FCI	10118192-0001LF
13	HDR00050	J50	1	HDR, 2x10 Pin, 2.54mm Pitch, TH	FCI	67996-420HLF
14	HDR00003	J100	1	HDR, 1x3 Pin, 2.54mm Pitch, Gold Flg	FCI	68000-403HLF
15	CON00037	J101	1	CONN SMA JACK 50 OHM EDGE MN	Emerson NPC Johnson	142-0701-801
16	IND00001	L100	1	Chip Inductor, 68 nH, 180 mA, 1.2O, 0	Pulse	PE-0402CC680JTT
17	TVS00006	M100	1	Varistor,10V,10A,0402	Yageo	VRS0402SR55R100N
18	SHD00002	MECH1	1	RF Shield, Cover, 20mm x 20mm x 3m	Würth	36003200
19	RES00050	R10	1	RES,18K,5%,0.063W,0402	Samsung	RC1005J183CS
20	RES00020	R11	1	RES,10K,1%,0.063W,0402,#	Yageo	RC0402FR-0710KL
21	RES00001	R20, R52	2	RES,100K,5%,0.063W,0402,#	Samsung	RC1005J104CS
22	RES00024	R51	5	RES,100 Ohm,1%,0.063W,0402,#	Yageo	RC0402FR-07100RL
23	RES00011	R45	5	RES,220 Ohm,5%,0.063W,0402	Yageo	RC0402JR-07220RL
24	RES00008	R50	1	RES,47K,5%,0.063W,0402	Yageo	RC0402JR-0747KL
25	RES00019	R100, R101, R103	3	RES,0 Ohm,0.063W,0402	Yageo	RC0402JR-070RL
26	RES00104	R102	1	RES,49.9 Ohm,1%,0.063W,0402	Rohm	MCR03ERTF49R9
27	BTN00002	S20, S50	2	SPST- NO Momentary Button, 160g F	Panasonic	EVQ-P2202M
28	BTN00002	S40, S41, S42	3	Button, SPST, Off-Momentary, Norma	TE Connectivity	1-1825027-1
29	SHD00001	SH1	1	RF Shield, Frame, 20mm x 20mm x 3m	Würth	36103205
30	IC00191	U11	1	IC, LDO, Adjustable 2.6V-15V Out, 1.2	Exar	SPX1117M3-L
31	IC00004	U30	1	USB Serial Translator, Basic, 16QFN	FTDI	FT230XQ-R
32	IC00001	U50	1	MCU, ARM M0, 32K Flash, 32LQFP	STMicro	STM32F030K6T6
33	FILT00002	U100	1	Filter, SAW, 1090 MHz, 30 MHz BW	Tai-Saw	TA1090EC
34	IC00003	U101	1	RF Amplifier, 0-2.2GHz, 35.5dB, 6-TS	NXP	BGM1013,115
35	FILT00001	U102	1	Filter, SAW, 1090 MHz, 30 MHz BW	Tai-Saw	TA0232A
36	IC00003	U103	1	RF Log Power Detector, 40 MHz-3.8G	Linear	LT5538IDD#PBF
37	XTAL00004	Y50	1	XTAL, 32.768kHz, 20ppm, 6pF, 60K C	Abracon	ABS07-120-32.768KHZ-T