



Title		
Size	Number	Revision
A2		
Date:	2013/5/15	Sheet of
File:	C:\Converter\POWER_SEND SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
1uF	Capacitor, Ceramic, 25V, X5R, 10%	C1, C2, C12, C13, C23	CAPC1608X10N-0603	Cap	5
0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	C3, C25	CAPC1608X10N-0603	Cap	2
0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	C4, C14	CAPC1608X10N-0603	Cap	2
47uF	Capacitor, Ceramic, 6.3V, X5R, 10%	C5, C27	CAPC3225X10N-1210	Cap	2
10uF	Capacitor, Ceramic, 25V, X5R, 10%	C6, C20, C22, C28	CAPC3225X10N-1210	Cap	4
4.7uF	Capacitor, Ceramic, 25V, X5R, 10%	C7, C29	CAPC2012X10N-0805	Cap	2
4.7uF	Capacitor, Ceramic, 6.3V, X5R, 10%	C8, C17	CAPC1608X10N-0603	Cap	2
82pF	Capacitor, Ceramic, 25V, X7R, 10%	C9	CAPC1608X10N-0603	Cap	1
0.018uF	Capacitor, Ceramic, 25V, X7R, 10%	C10, C31	CAPC1608X10N-0603	Cap	2
560pF	Capacitor, Ceramic, 50V, X7R, 10%	C11	CAPC1608X10N-0603	Cap	1
0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	C15	CAPC2012X10N-0805	Cap	1
0.47uF	Capacitor, Ceramic, 25V, X7R, 10%	C16	CAPC2012X10N-0805	Cap	1
10uF	Capacitor, Ceramic, 25V, X5R, 10%	C18, C19	CAPC1608X10N-0603	Cap	2
10pF	Capacitor, Ceramic, 10-pF, 50-V, COG, 5%	C21	CAPC1608X10N-0603	Cap	1
Cap	Capacitor	C24, C26, C33, C34, C35, C36, C37, C38, C?	RAD-0.3	Cap	80
330pF	Capacitor, Ceramic, 25V, X7R, 10%	C30	CAPC1608X10N-0603	Cap	1
1500pF	Capacitor, Ceramic, 50V, X7R, 10%	C32	CAPC1608X10N-0603	Cap	1
Cap2	Capacitor	C7	CAPRS-4XS	Cap2	7
LED	Typical INFRARED GaAs LED	D1, D2, D5, D6, D7, D8	CAPC1608X10N-0603	LED	6
1N5350	High Conductance Fast Diode	D3	1N5350	Diode 1N4148	1
LED-0.5mm	Typical INFRARED GaAs LED	D4	LED	LED	1
POWER_2.5		J1	POWER_2.5	POWER_2.5	1
JP3		JP1, JP2, JP3, JP4	Jumper1X3	JP3	4
2.7uH	MSS1048-332NL	L1	MSS1048-***NL	Inductor Iron	1
6.8uH	MSS1048-682NL	L2	MSS1048-***NL	Inductor Iron	1
Ferrite Bead	Inductor	L3, L7, L9, L?	0402-A	Inductor	4
1.5uH	MSS1048-152NL	L4	MSS1048-***NL	Inductor Iron	1
10uH	MSS1048-332NL	L5, L?	MSS1048-***NL	Inductor Iron	2
2.2uH	MSS1048-332NL	L6, L8, L?	MSS1048-***NL	Inductor Iron	4
2.2uH		L?	CAPC1608X05N	INDUCTOR	1
Inductor	Inductor	L?	0402-A	Inductor	2
Header 2	Header, 2-Pin	P1, P2, P3, P4, P5, P6		Header 2	6
SMA	RF Coaxial PCB Connector, MMCK, Thru-Hole, Vertical Mount Plug, 50 Ohm Impedance	P?	MMCX2.54-V5	ODAX-M	4
10K	Resistor, chip, 1/16W, 1%	R1, R3, R5, R6, R16, R21, R25, R35, R38	RESC1608X10N-0603	Res2	9
100K	Resistor, chip, 1/16W, 1%	R2, R11, R34, R36, R45, R46	RESC1608X10N-0603	Res2	8
1K	Resistor, chip, 1/16W, 1%	R4, R6	RESC1608X10N-0603	Res2	2
11.5K	Resistor, chip, 1/16W, 1%	R7	RESC1608X10N-0603	Res2	1
9.09K	Resistor, chip, 1/16W, 1%	R9	RESC1608X10N-0603	Res2	1
4.64K	Resistor, chip, 1/16W, 1%	R10	RESC1608X10N-0603	Res2	1
2.05M	Resistor, chip, 1/16W, 1%	R11, R37	RESC1608X10N-0603	Res2	2
383K	Resistor, chip, 1/16W, 1%	R11, R42	RESC1608X10N-0603	Res2	2
196K	Resistor, chip, 1/16W, 1%	R12, R43	RESC1608X10N-0603	Res2	2
560R	Resistor, chip, 1/16W, 1%	R13, R14	RESC1608X10N-0603	Res2	2
56.2K	Resistor, chip, 1/16W, 1%	R15, R44	RESC1608X10N-0603	Res2	2
50R	Resistor, chip, 1/16W, 1%	R17, R39	RESC1608X10N-0603	Res2	2
26.7K	Resistor, chip, 1/16W, 1%	R18	RESC1608X10N-0603	Res2	1
1M	Resistor, chip, 1/16W, 1%	R19, R23, R24, R27, R32, R33	RESC1608X10N-0603	Res2	6
100R	Resistor, chip, 1/16W, 1%	R20, R29	RESC1608X10N-0603	Res2	2
316K	Resistor, chip, 1/16W, 1%	R22	RESC1608X10N-0603	Res2	1
2.5K	Resistor, chip, 1/16W, 1%	R26	RESC1608X10N-0603	Res2	1
470K	Resistor, chip, 1/16W, 1%	R28	RESC1608X10N-0603	Res2	1
261K	Resistor, chip, 1/16W, 1%	R30	RESC1608X10N-0603	Res2	1
294K	Resistor, chip, 1/16W, 1%	R31	RESC1608X10N-0603	Res2	1
2.49K	Resistor, chip, 1/16W, 1%	R40	RESC1608X10N-0603	Res2	1
78.7K	Resistor, chip, 1/16W, 1%	R41	RESC1608X10N-0603	Res2	1
Resistor	Resistor	R?	J1-0603	Res3	5
1%	Resistor	R?	J1-0603	Res3	14
Res1	Resistor	R?	0402	Res1	1
Res3	Resistor	R?	J1-0603	Res3	19
SW-SPDT	SPDT Subminiature Toggle Switch, Right Angle Mounting, Vertical Actuation	S1	DIPSwitch_3*1	SW-SPDT	1
ADSS463		U*		ADSS463	1
ADT1-1WT		U*		ADT1-1WT	1
ETC1-1-13		U*		ETC1-1-13	2
MC100LVEL16		U*		MC100LVEL16	1
OSC_20M		U*		OSC	1
SCLF-550		U*		SCLF-550	1
WBCA-1W		U*		WBCA-1W	1
TPS74401RGW		U1, U3	TPS74401	TPS74401RGW	2
TPS54620RGY		U2, U8	TPS54620	TPS54620RGY	2
TPS715A01		U4	TPS715Axx	TPS715A01DRBR	1
LP38500SD		U5	PL38500SD	LP38500SD	1
TPS62110		U6	TPS62110	TPS62110	1
TPS62175		U7		TPS62175	2
TPS62141		U9		TPS62141	1
TPS62142		U10		TPS62142	2
AD9516-3BCPZ	Imported	U?	CP_64_4	AD9516-3BCPZ	1
AD9736BBC	Imported	U?	BC_160_1	AD9736BBC	2