



Title		
Size	Number	Revision
A3		
Date:	7/12/2013	Sheet of
File:	C:\Users\...EvngCv1.3.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
22pF	Capacitor	C1, C2	c-0603	CAP0805	2
100nF	Capacitor	C3, C4, C5, C6, C7, C8, C9, C10, C13	c-0603	CAP0805	9
100uF35V	Capacitor Tantalum	C11	CAPMP7343X310N	CT	1
10uF6.3v	Capacitor Tantalum	C12	CAPMP2012X150USR	CT	1
1uF	Capacitor	C14	c-0603	CAP0805	1
APT1608SGC	APT1608SGC	D1, D4	LED-0603-GREEN	LED	2
SS14	Diode	D2	SOD323	DIODE SCHOTTKY	1
APT1608QBC/D	APT1608QBC/D	D3	LED-0603-BLUE	LED	1
SS14	Diode	D5	DO-214AC	DIODE SCHOTTKY	1
USB Mini	USB 2.0, Right Angle, SMT, B Type, Receptacle, 5 Position, Black	J1	440247	440247-2	1
POWER	Header, 2-Pin	JP1	IDC1-2P	CON2	1
I2C	0530470410	P1	H53047-04	Header 4	1
Header 3	Header, 3-Pin	P2, P3, P4	IDC1-3M	Header 3	3
SWD	0530470410	P5	H53047-04	Header 4	1
BOOT	Header, 2-Pin, Dual row	P6	HDR2X2	Header 2X2	1
Aux3	Header, 3-Pin	P7	HDR1X3	Header 3	1
Aux4	Header, 3-Pin	P9	HDR1X3	Header 3	1
Aux5	Header, 3-Pin	P10	HDR1X3	Header 3	1
UART4	0530470410	P11	H53047-04	Header 4	1
Aux1	Header, 3-Pin	P12	HDR1X3	Header 3	1
Aux2	Header, 3-Pin	P13	HDR1X3	Header 3	1
UART1	0530470410	P14	H53047-04	Header 4	1
SI4599DY	HEXFET Power MOSFET	Q1, Q2, Q5, Q6, Q9, Q10, Q13, Q15, Q17	SO8-(SOT-96-1)	AUIRF7343	9
BSS123	N-channel Enhancement Mode Field-effect Transistor	Q3, Q4, Q7, Q8, Q11, Q12, Q14, Q16, Q18	SOT-23	2N7002	9
IRF9335	HEXFET Power MOSFET	Q19	SO-8_N	IRF7404	1
330	Resistor	R1, R2, R3, R4, R6, R7, R10, R11, R12	r-0603	Res	9
1k	Resistor	R5, R9, R13, R14, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R40, R41	R-0603	RES 0603 330R, RES 0603 330R, RES 0603 330R, RES 0603 330R, Res, Res, Res, Res, Res, Res, Res, Res, Res, Res, Res, Res, Res, Res, Res, Res, Res, Res, Res, RES 0603 330R, RES 0603 330R	24
100	Resistor	R8, R15	R-0603	RES 0603 330R	2
1.5k	Resistor	R16	R-0603	RES 0603 330R	1
22R	Resistor	R35, R36	R-0603	RES 0603 330R	2
4.7k	Resistor	R37, R38	R-0603	RES 0603 330R	2
220R	Resistor	R39	r-0603	Res	1
STM32F103RCT6	STM32 ARM-based 32-bit MCU with 128 Kbytes Flash, 64-pin LQFP, Industrial Temperature	U1	LQFP64_N	STM32F103RBT6	1
24C02C-E/SN	2Kbit, 400kHz, 5V, I2C Serial EEPROM, 8-Pin SOIC 150mil, Extended Temperature	U3	SOIC-SN8_N	24C02C-E/SN	1
78M33	Positive Voltage Regulator	U4	TO-252	L78M05CDT	1
8MHz	7B-8.000MAAJ-T	ZQ1	7B_6x3.2	ZQ_KX12B	1