BaseStation_ver_21
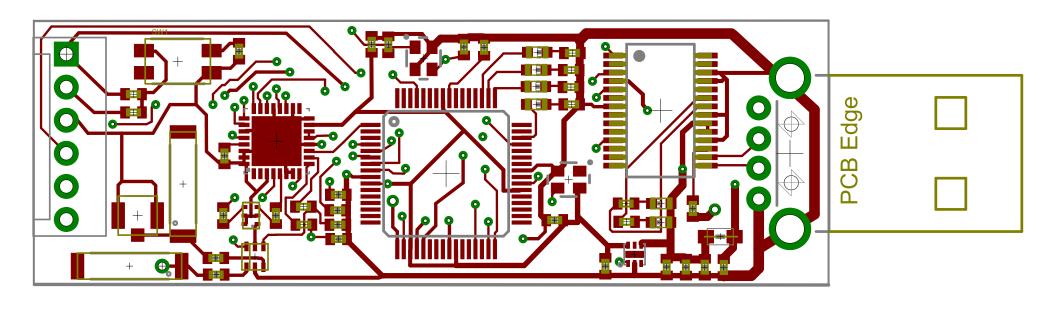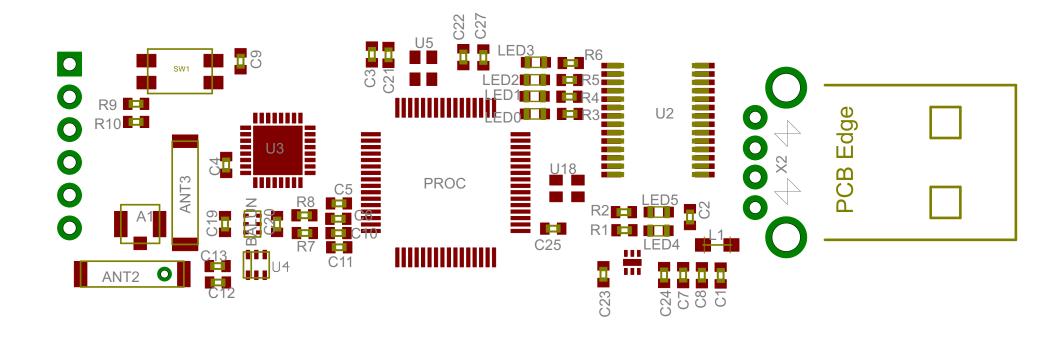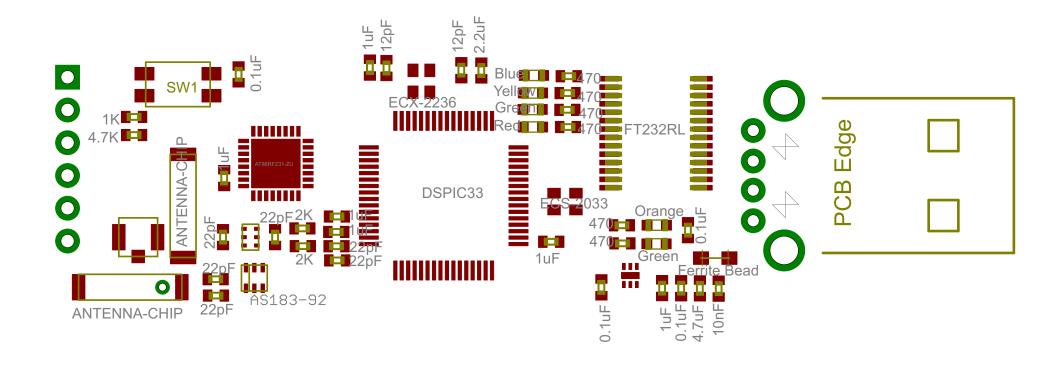
8/24/2011 6:56:45 PM f=0.90 C:\Users\pullin\Desktop\SVN Code\boards\BaseStation\BaseStation_ver_21.sch (Sheet: 1/2)

PCB Edge

SW1

C9

C22 C27

U5

C3 C21

LED3
LED2
LED1
LED0

R6
R5
R4
R3

U2

R9
R10

ANT3

U3

C4

A1

BALUN

C19 C20

R8

R7

C5

C6

C10

C11

PROC

U18

C25

R2
R1

LED5

LED4

C2

L1

X2

PCB Edge

ANT2

C13

C12

U4

C23

C24 C7 C8 C1

SW1

0.1uF

1uF 12pF

12pF 2.2uF

Blue
Yellow
Green
Red

470
470
470
470

ECX-2236

FT232RL

1K
4.7K

ANTENNA-CHIP

0.1uF

AT86RF231-ZU

22pF 2K

1uF
1uF
22pF
22pF

2K

DSPIC33

ECS-2033

Orange

470
470

0.1uF

Green

PCB Edge

22pF

22pF

AS183-92

22pF

ANTENNA-CHIP

1uF

0.1uF

Ferrite Bead

0.1uF

1uF 0.1uF 4.7uF 10nF

Partlist

Exported from BaseStation_ver_21.sch at 8/24/2011 7:06:30 PM

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Part	Value	Device	Package	Library
	Sheet			
A1	ANTENNA-U.FL	ANTENNA-U.FL	U-FL	stan
	1			
ANT1	ANTENNA	ANTENNA	ANTENNA_PAD	stan
	1			
ANT2	ANTENNA-CHIP	ANTENNA-CHIP	ANTENNA-CHIP	stan
	1			
ANT3	ANTENNA-CHIP	ANTENNA-CHIP	ANTENNA-CHIP	stan
	1			
BALUN	HHM1710D1	BALUNA	BALUN	stan
	1			
C1	10nF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C2	0.1uF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C3	1uF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C4	1uF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C5	1uF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C6	1uF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C7	0.1uF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C8	4.7uF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C9	0.1uF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C10	22pF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C11	22pF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C12	22pF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C13	22pF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C19	22pF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C20	22pF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C21	12pF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C22	12pF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C23	0.1uF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C24	1uF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C25	1uF	CAP0402-CAP	0402-CAP	SparkFun
	1			
C27	2.2uF	CAP0402-CAP	0402-CAP	SparkFun
	1			
JP1		M06POLAR	MOLEX-1X6	SparkFun
	1			

L1	Ferrite Bead	WE-CBF_0805	0805	
	wuerth-elektronik 1			
LED0	Red	LEDCHIP-LED0603	CHIP-LED0603	led
	1			
LED1	Green	LEDCHIP-LED0603	CHIP-LED0603	led
	1			
LED2	Yellow	LEDCHIP-LED0603	CHIP-LED0603	led
	1			
LED3	Blue	LEDCHIP-LED0603	CHIP-LED0603	led
	1			
LED4	Green	LEDCHIP-LED0603	CHIP-LED0603	led
	1			
LED5	Orange	LEDCHIP-LED0603	CHIP-LED0603	led
	1			
PROC	DSPIC33	DSPIC33FJ128MC706-I/PT	TQFP64	stan
	1			
R1	470	R-US_R0402	R0402	rcl
	1			
R2	470	R-US_R0402	R0402	rcl
	1			
R3	470	R-US_R0402	R0402	rcl
	1			
R4	470	R-US_R0402	R0402	rcl
	1			
R5	470	R-US_R0402	R0402	rcl
	1			
R6	470	R-US_R0402	R0402	rcl
	1			
R7	2K	R-US_R0402	R0402	rcl
	1			
R8	2K	R-US_R0402	R0402	rcl
	1			
R9	1K	R-US_R0402	R0402	rcl
	1			
R10	4.7K	R-US_R0402	R0402	rcl
	1			
SW1	SWITCH-4TERMINAL	SWITCH-4TERMINAL	PUSHBUTTON-SMD-4.7X3.5MM	stan
	1			
U1	MIC5335-SPYMT	MIC5320-JGYML	MLF-6	stan
	1			
U2	FT232RL	FT232RL	SSOP28	ftdichip
	1			
U3	AT86RF231-ZU	AT86RF231-ZU	QFN-32	stan
	1			
U4	AS183-92	AS183-92	SC-70-6	stan
	1			
U5	ECX-2236	CRYSTALS	CRYSTAL-SMD	stan
	1			
U18	ECS-2033	OSCILLATORS	OSCILLATOR-SMD	stan
	1			
X2	USB-A-H	USB-A-H	USB-A-H	SparkFun
	1			