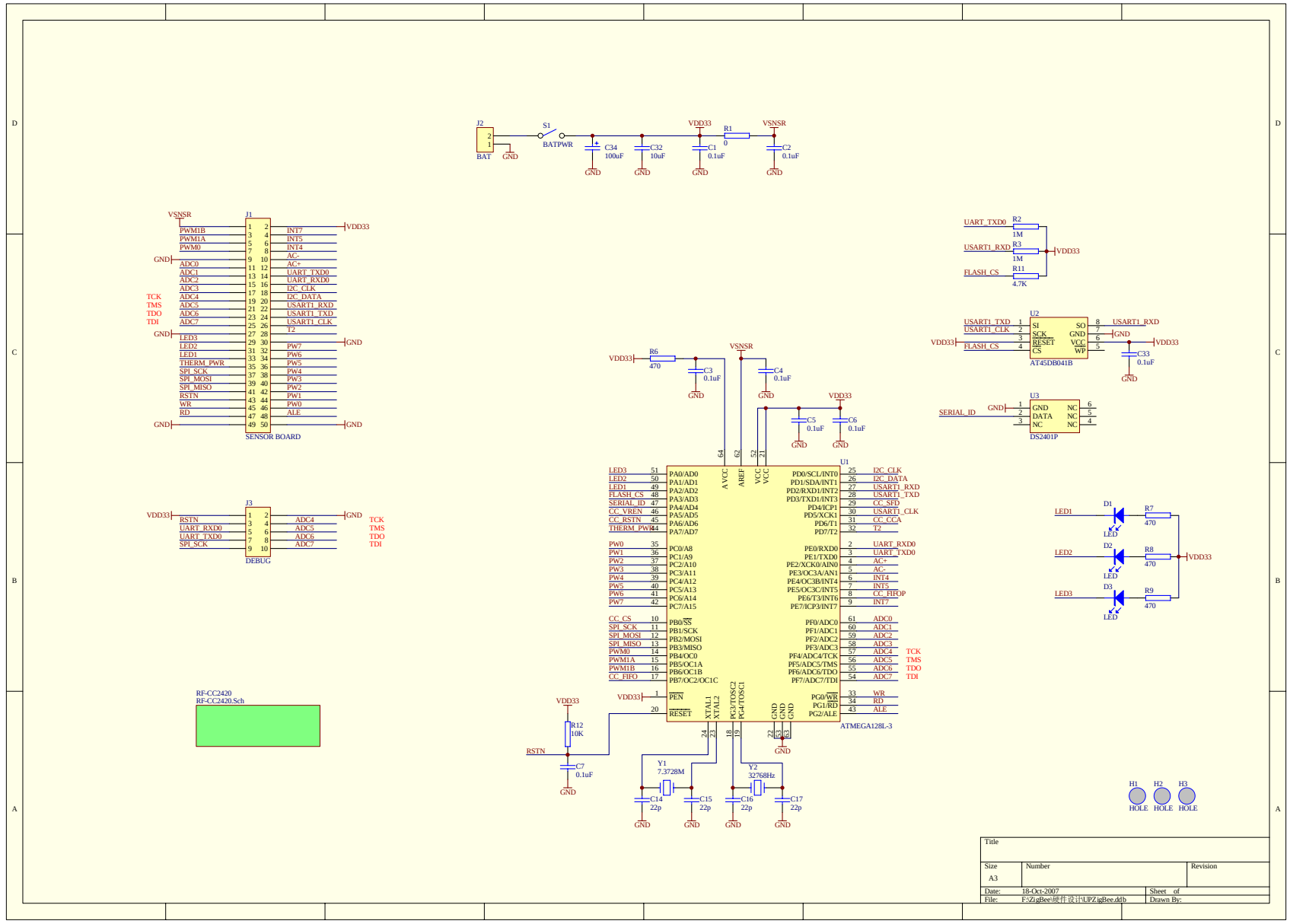
J2
BAT
GND
S1
BATPWR
C34
100uF
C32
10uF
VDD33
R1
0
C1
0.1uF
VSNSR
C2
0.1uF
J1
SENSOR BOARD
PWM1B
PWM1A
PWM0
ADC0
ADC1
ADC2
ADC3
ADC4
ADC5
ADC6
ADC7
LED3
LED2
LED1
THERM_PWR
SPI_SCK
SPI_MOSI
SPI_MISO
RSTN
WR
RD
INT7
INT5
INT4
AC-
AC+
UART_TXD0
UART_RXD0
I2C_CLK
I2C_DATA
USART1_RXD
USART1_TXD
USART1_CLK
T2
PW7
PW6
PW5
PW4
PW3
PW2
PW1
PW0
ALE
TCK
TMS
TDO
TDI
J3
DEBUG
UART_RXD0
UART_TXD0
SPI_SCK
ADC4
ADC5
ADC6
ADC7
RF-CC2420
RF-CC2420.Sch
R6
470
C3
0.1uF
C4
0.1uF
C5
0.1uF
C6
0.1uF
U1
ATMEGA128L-3
AVCC
AREF
VCC
PA0/AD0
PA1/AD1
PA2/AD2
PA3/AD3
PA4/AD4
PA5/AD5
PA6/AD6
PA7/AD7
PC0/A8
PC1/A9
PC2/A10
PC3/A11
PC4/A12
PC5/A13
PC6/A14
PC7/A15
PB0/SS
PB1/SCK
PB2/MOSI
PB3/MISO
PB4/OC0
PB5/OC1A
PB6/OC1B
PB7/OC2/OC1C
PEN
RESET
XTAL1
XTAL2
PG3/TOSC2
PG4/TOSC1
GND
PD0/SCL/INT0
PD1/SDA/INT1
PD2/RXD1/INT2
PD3/TXD1/INT3
PD4/ICP1
PD5/XCK1
PD6/T1
PD7/T2
PE0/RXD0
PE1/TXD0
PE2/XCK0/AIN0
PE3/OC3A/AN1
PE4/OC3B/INT4
PE5/OC3C/INT5
PE6/T3/INT6
PE7/ICP3/INT7
PF0/ADC0
PF1/ADC1
PF2/ADC2
PF3/ADC3
PF4/ADC4/TCK
PF5/ADC5/TMS
PF6/ADC6/TDO
PF7/ADC7/TDI
PG0/WR
PG1/RD
PG2/ALE
CC_CS
CC_VREN
CC_RSTN
CC_FIFO
CC_FIFOP
CC_SFD
CC_CCA
SERIAL_ID
R12
10K
C7
0.1uF
Y1
7.3728M
Y2
32768Hz
C14
22p
C15
22p
C16
22p
C17
22p
R2
1M
R3
1M
R11
4.7K
U2
AT45DB041B
SI
SCK
RESET
CS
SO
GND
VCC
WP
C33
0.1uF
U3
DS2401P
DATA
NC
D1
D2
D3
LED
R7
R8
R9
470
H1
H2
H3
HOLE
Title
Size
A3
Number
Revision
Date:
18-Oct-2007
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Drawn By: