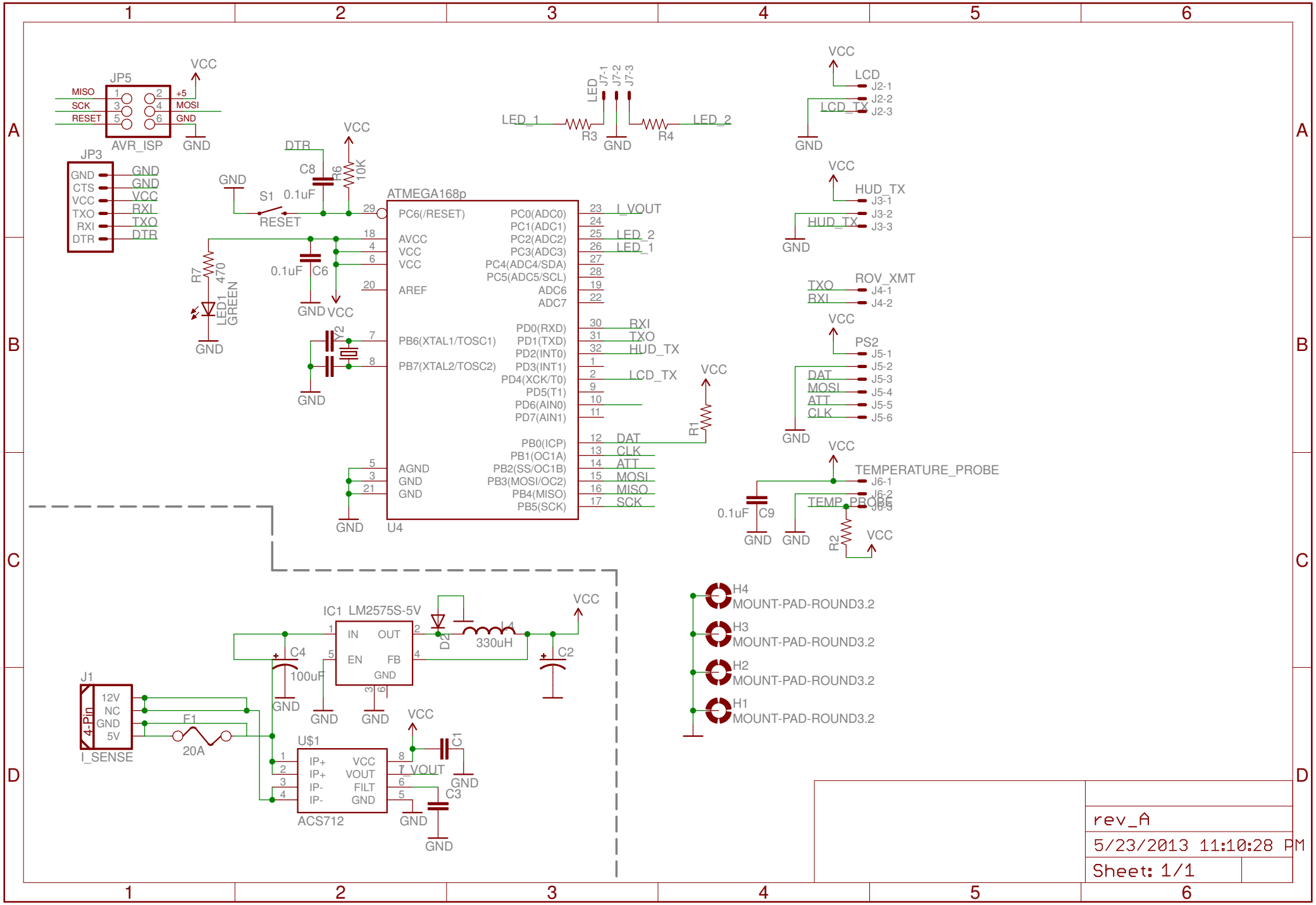
JP5
AVR_ISP
MISO
SCK
RESET
+5
MOSI
GND
VCC
JP3
GND
CTS
VCC
TXO
RXI
DTR
S1
RESET
0.1uF
C8
R6
10K
DTR
R7
470
LED1
GREEN
0.1uF
C6
Y2
ATMEGA168p
PC6(/RESET)
AVCC
VCC
VCC
AREF
PB6(XTAL1/TOSC1)
PB7(XTAL2/TOSC2)
AGND
GND
GND
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
PC4(ADC4/SDA)
PC5(ADC5/SCL)
ADC6
ADC7
PD0(RXD)
PD1(TXD)
PD2(INT0)
PD3(INT1)
PD4(XCK/T0)
PD5(T1)
PD6(AIN0)
PD7(AIN1)
PB0(ICP)
PB1(OC1A)
PB2(SS/OC1B)
PB3(MOSI/OC2)
PB4(MISO)
PB5(SCK)
I_VOUT
LED_2
LED_1
RXI
TXO
HUD_TX
LCD_TX
DAT
CLK
ATT
MOSI
MISO
SCK
U4
LED
J7-1
J7-2
J7-3
LED_1
R3
R4
LED_2
LCD
LCD_TX
J2-1
J2-2
J2-3
HUD_TX
J3-1
J3-2
J3-3
ROV_XMT
TXO
RXI
J4-1
J4-2
PS2
DAT
MOSI
ATT
CLK
J5-1
J5-2
J5-3
J5-4
J5-5
J5-6
R1
TEMPERATURE_PROBE
J6-1
J6-2
J6-3
TEMP_PROBE
0.1uF
C9
R2
IC1 LM2575S-5V
IN
OUT
EN
FB
GND
D2
L4
330uH
C4
100uF
C2
J1
4-Pin
12V
NC
GND
5V
I_SENSE
F1
20A
U$1
IP+
IP+
IP-
IP-
VCC
VOUT
FILT
GND
ACS712
C1
C3
H4
MOUNT-PAD-ROUND3.2
H3
MOUNT-PAD-ROUND3.2
H2
MOUNT-PAD-ROUND3.2
H1
MOUNT-PAD-ROUND3.2
rev_A
5/23/2013 11:10:28 PM
Sheet: 1/1