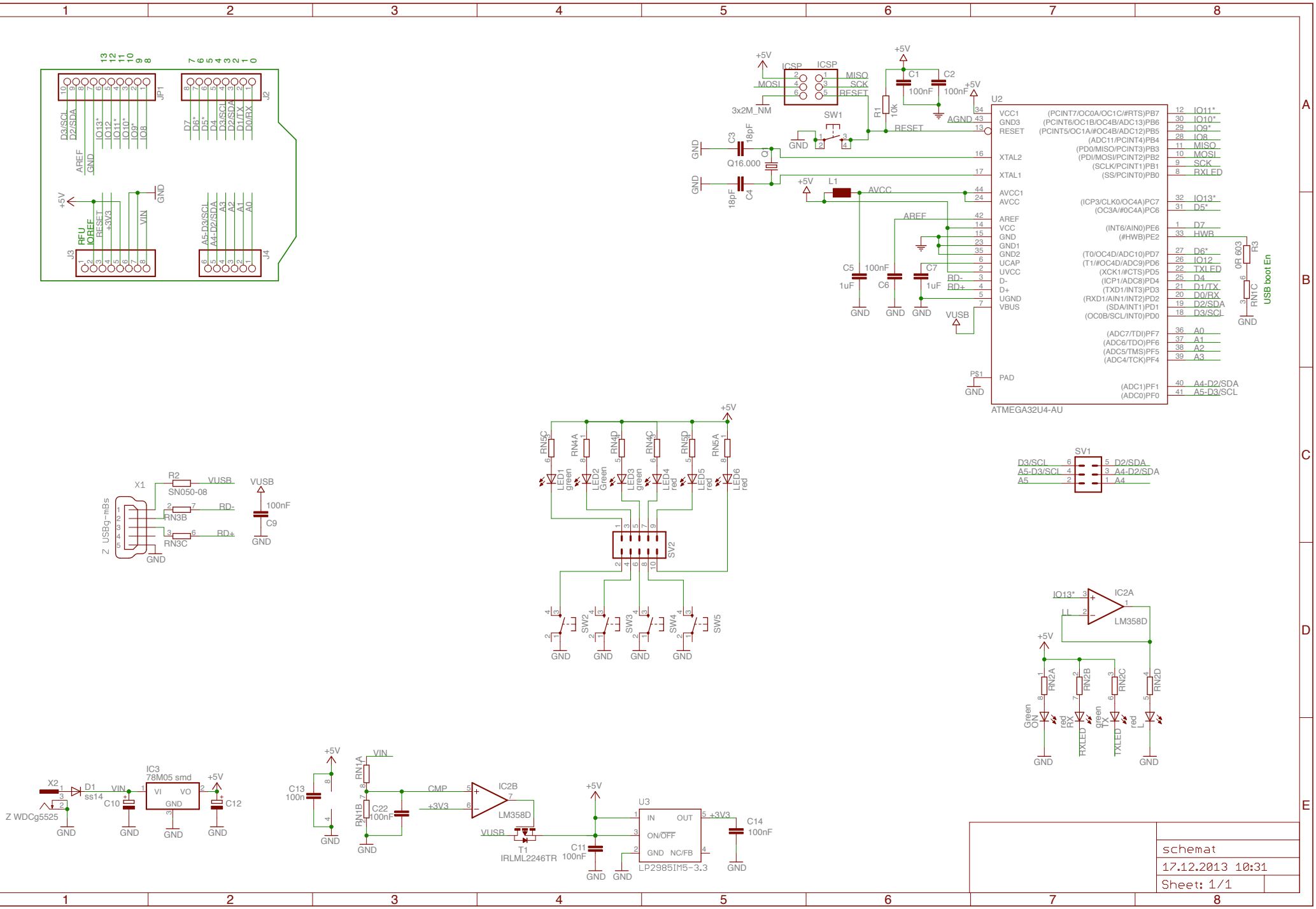

JP1
J2
J3
J4
D3/SCL
D2/SDA
IO13*
IO12
IO11*
IO10*
IO9*
IO8
AREF
GND
D7
D6*
D5*
D4
D3/SCL
D2/SDA
D1/TX
D0/RX
+5V
RFU
IOREF
RESET
+3V3
VIN
A5-D3/SCL
A4-D2/SDA
A3
A2
A1
A0
ICSP
MOSI
MISO
SCK
RESET
3x2M_NM
SW1
R1
10k
C1
100nF
C2
100nF
AGND
U2
VCC1
GND3
RESET
XTAL2
XTAL1
AVCC1
AVCC
AREF
VCC
GND
GND1
GND2
UCAP
UVCC
D-
D+
UGND
VBUS
PAD
(PCINT7/OC0A/OC1C/#RTS)PB7
(PCINT6/OC1B/OC4B/ADC13)PB6
(PCINT5/OC1A/#OC4B/ADC12)PB5
(ADC11/PCINT4)PB4
(PD0/MISO/PCINT3)PB3
(PDI/MOSI/PCINT2)PB2
(SCLK/PCINT1)PB1
(SS/PCINT0)PB0
(ICP3/CLK0/OC4A)PC7
(OC3A/#0C4A)PC6
(INT6/AIN0)PE6
(#HWB)PE2
(T0/OC4D/ADC10)PD7
(T1/#OC4D/ADC9)PD6
(XCK1/#CTS)PD5
(ICP1/ADC8)PD4
(TXD1/INT3)PD3
(RXD1/AIN1/INT2)PD2
(SDA/INT1)PD1
(OC0B/SCL/INT0)PD0
(ADC7/TDI)PF7
(ADC6/TDO)PF6
(ADC5/TMS)PF5
(ADC4/TCK)PF4
(ADC1)PF1
(ADC0)PF0
IO11*
IO10*
IO9*
IO8
MISO
MOSI
SCK
RXLED
IO13*
D5*
D7
HWB
D6*
IO12
TXLED
D4
D1/TX
D0/RX
D2/SDA
D3/SCL
A0
A1
A2
A3
A4-D2/SDA
A5-D3/SCL
ATMEGA32U4-AU
C3
18pF
Q16.000
Q1
C4
18pF
L1
AVCC
AREF
C5
1uF
C6
100nF
C7
1uF
RD-
RD+
VUSB
R3
0R 603
RN1C
USB boot En
SV1
D3/SCL
A5-D3/SCL
A5
D2/SDA
A4-D2/SDA
A4
RN5C
RN4A
RN4D
RN4C
RN5D
RN5A
LED1 green
LED2 Green
LED3 green
LED4 red
LED5 red
LED6 red
SV2
SW2
SW3
SW4
SW5
X1
R2
SN050-08
VUSB
RN3B
RN3C
RD-
RD+
Z USBg-mBs
C9
100nF
IO13*
IC2A
LM358D
RN2A
RN2B
RN2C
RN2D
Green ON
red RX
green TX
red L
RXLED
TXLED
X2
Z WDCg5525
D1
ss14
C10
IC3
78M05 smd
VI
VO
C12
C13
100n
RN1A
RN1B
C22
100nF
CMP
+3V3
IC2B
LM358D
T1
IRLML2246TR
C11
100nF
U3
IN
OUT
ON/OFF
GND
NC/FB
LP2985IM5-3.3
C14
100nF
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