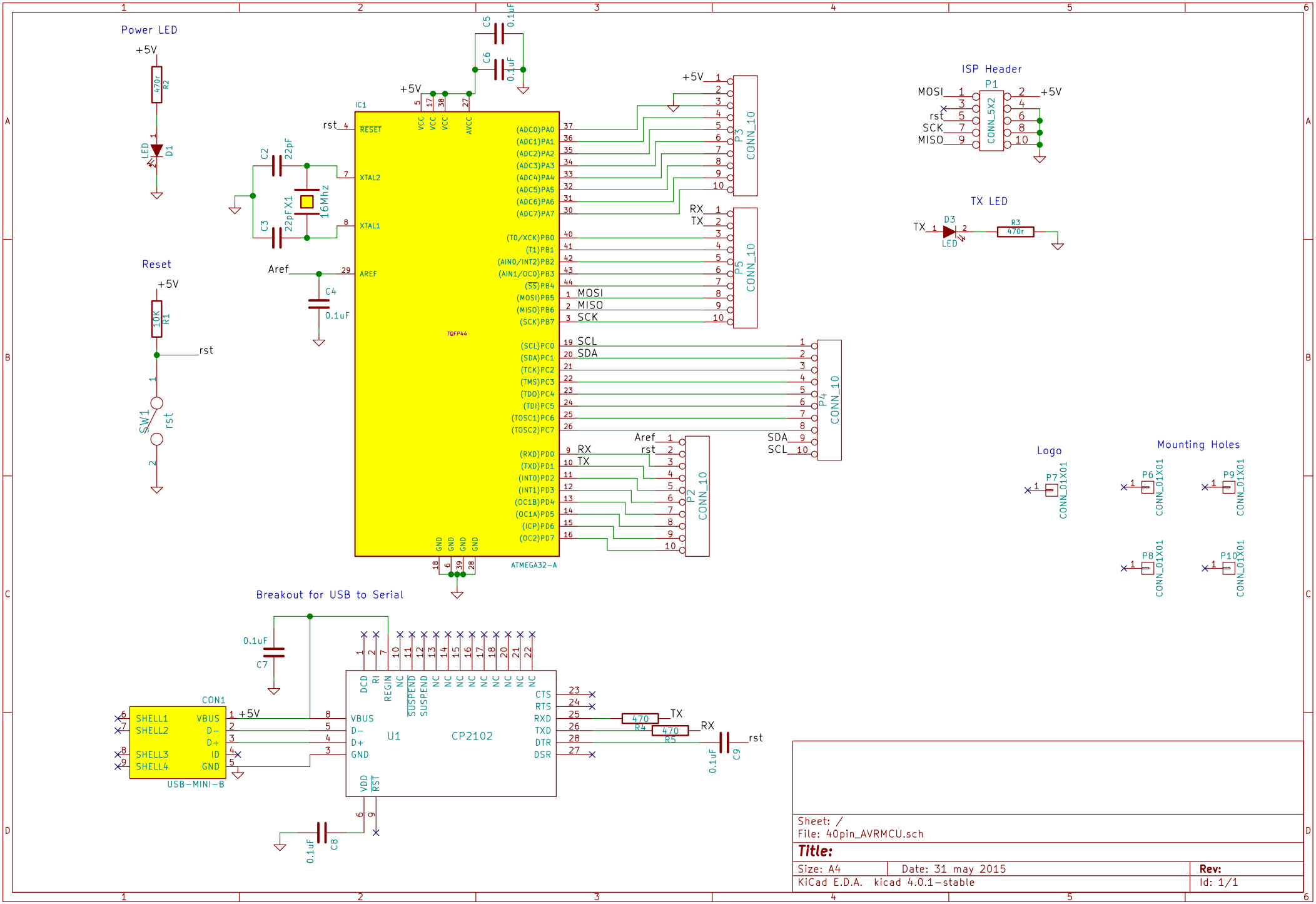
Power LED
+5V
470r
R2
LED
D1
Reset
+5V
10K
R1
rst
SW1
rst
C5
0.1uF
C6
0.1uF
+5V
IC1
rst
RESET
VCC
VCC
VCC
AVCC
C2
22pF
XTAL2
C3
22pF
X1
16Mhz
XTAL1
Aref
AREF
C4
0.1uF
TQFP44
(ADC0)PA0
(ADC1)PA1
(ADC2)PA2
(ADC3)PA3
(ADC4)PA4
(ADC5)PA5
(ADC6)PA6
(ADC7)PA7
(T0/XCK)PB0
(T1)PB1
(AIN0/INT2)PB2
(AIN1/OC0)PB3
(SS)PB4
(MOSI)PB5
(MISO)PB6
(SCK)PB7
(SCL)PC0
(SDA)PC1
(TCK)PC2
(TMS)PC3
(TDO)PC4
(TDI)PC5
(TOSC1)PC6
(TOSC2)PC7
(RXD)PD0
(TXD)PD1
(INT0)PD2
(INT1)PD3
(OC1B)PD4
(OC1A)PD5
(ICP)PD6
(OC2)PD7
GND
GND
GND
GND
ATMEGA32-A
+5V
P3
CONN_10
RX
TX
P5
CONN_10
MOSI
MISO
SCK
SCL
SDA
P4
CONN_10
Aref
rst
RX
TX
P2
CONN_10
ISP Header
P1
MOSI
rst
SCK
MISO
CONN_5X2
+5V
TX LED
TX
D3
LED
R3
470r
Logo
P7
CONN_01X01
Mounting Holes
P6
CONN_01X01
P9
CONN_01X01
P8
CONN_01X01
P10
CONN_01X01
Breakout for USB to Serial
0.1uF
C7
CON1
SHELL1
SHELL2
SHELL3
SHELL4
VBUS
D-
D+
ID
GND
USB-MINI-B
+5V
U1
CP2102
DCD
RI
REGIN
SUSPEND
SUSPEND
CTS
RTS
RXD
TXD
DTR
DSR
VDD
RST
470
R4
470
R5
TX
RX
0.1uF
C9
rst
0.1uF
C8
Sheet: /
File: 40pin_AVRMCU.sch
Title:
Size: A4
Date: 31 may 2015
Rev:
KiCad E.D.A. kicad 4.0.1-stable
Id: 1/1