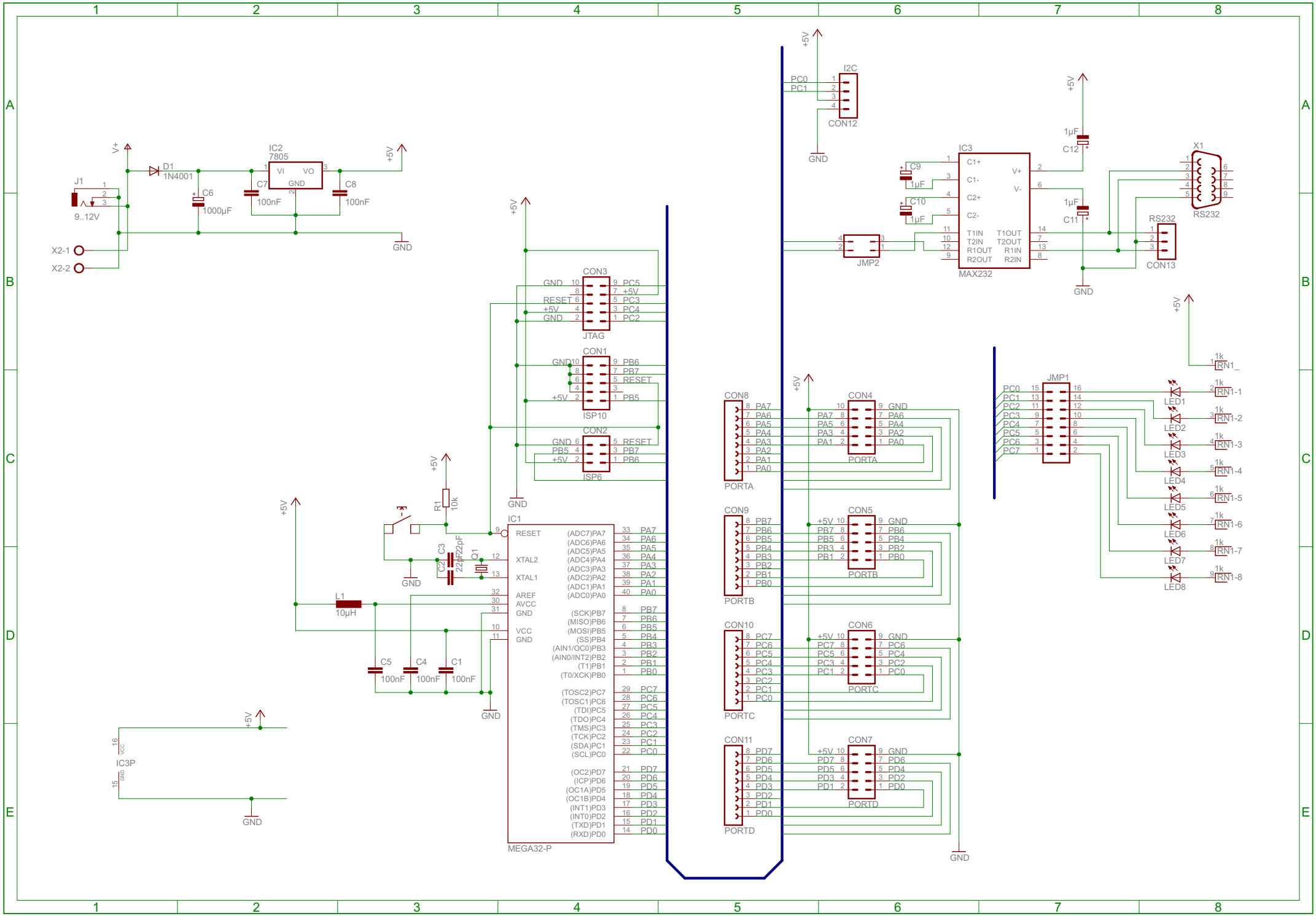
J1
9..12V
X2-1
X2-2
V+
D1
1N4001
C6
1000µF
IC2
7805
VI
VO
GND
C7
100nF
C8
100nF
+5V
GND
CON3
JTAG
GND
RESET
+5V
GND
PC5
+5V
PC3
PC4
PC2
CON1
ISP10
GND
+5V
PB6
PB7
RESET
PB5
CON2
ISP6
GND
PB5
+5V
RESET
PB7
PB6
R1
10k
C3
22pF
C2
22pF
Q1
L1
10µH
C5
100nF
C4
100nF
C1
100nF
IC1
MEGA32-P
RESET
XTAL2
XTAL1
AREF
AVCC
GND
VCC
GND
(ADC7)PA7
(ADC6)PA6
(ADC5)PA5
(ADC4)PA4
(ADC3)PA3
(ADC2)PA2
(ADC1)PA1
(ADC0)PA0
(SCK)PB7
(MISO)PB6
(MOSI)PB5
(SS)PB4
(AIN1/OC0)PB3
(AIN0/INT2)PB2
(T1)PB1
(T0/XCK)PB0
(TOSC2)PC7
(TOSC1)PC6
(TDI)PC5
(TDO)PC4
(TMS)PC3
(TCK)PC2
(SDA)PC1
(SCL)PC0
(OC2)PD7
(ICP)PD6
(OC1A)PD5
(OC1B)PD4
(INT1)PD3
(INT0)PD2
(TXD)PD1
(RXD)PD0
IC3P
VCC
GND
I2C
CON12
PC0
PC1
GND
IC3
MAX232
C1+
C1-
C2+
C2-
V+
V-
T1IN
T2IN
R1OUT
R2OUT
T1OUT
T2OUT
R1IN
R2IN
C9
1µF
C10
1µF
C11
1µF
C12
1µF
JMP2
X1
RS232
RS232
CON13
CON8
PORTA
CON9
PORTB
CON10
PORTC
CON11
PORTD
CON4
PORTA
CON5
PORTB
CON6
PORTC
CON7
PORTD
JMP1
RN1_
RN1-1
RN1-2
RN1-3
RN1-4
RN1-5
RN1-6
RN1-7
RN1-8
LED1
LED2
LED3
LED4
LED5
LED6
LED7
LED8
1k