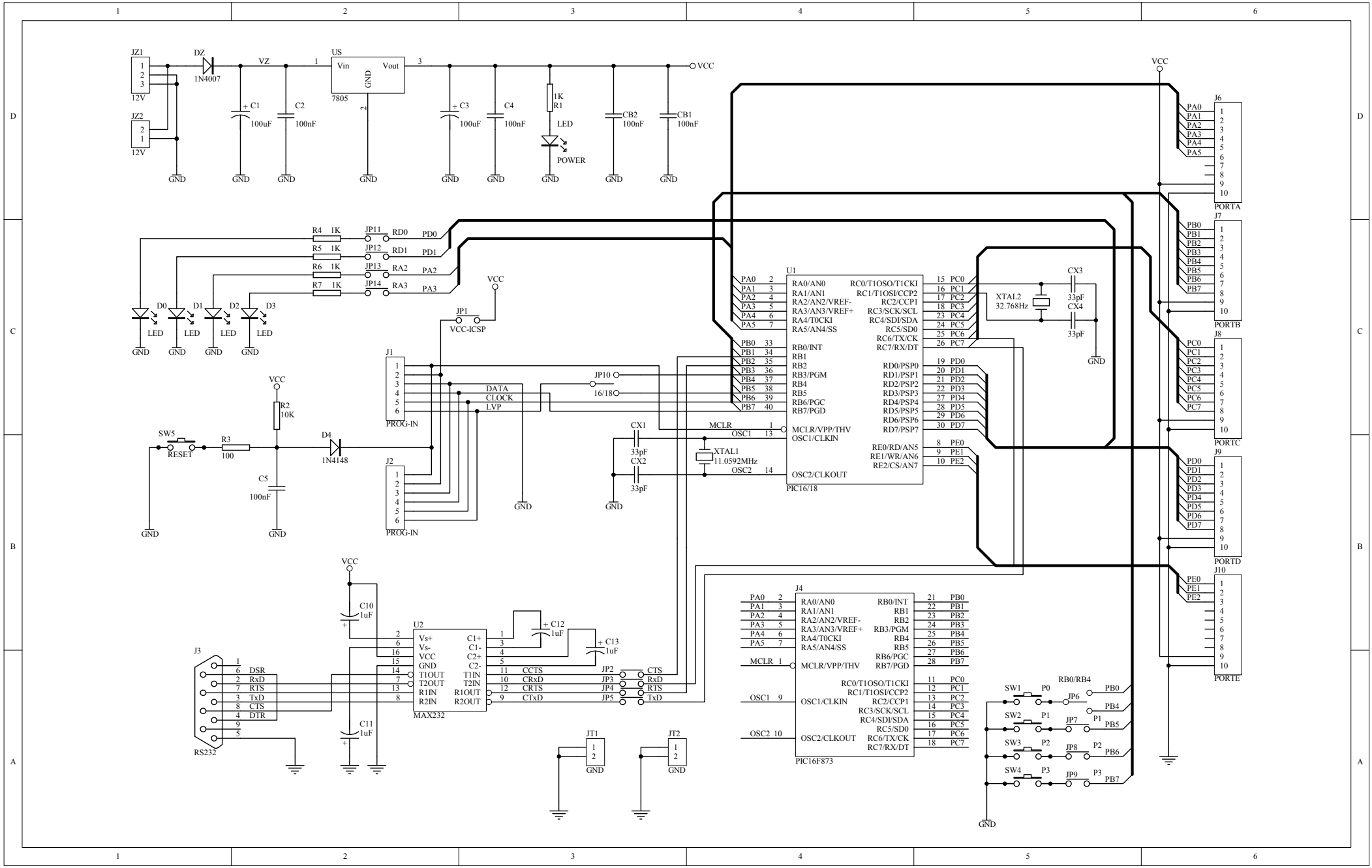
JZ1
JZ2
12V
DZ
1N4007
VZ
US
Vin
Vout
GND
7805
VCC
C1
100uF
C2
100nF
C3
100uF
C4
100nF
1K
R1
LED
POWER
CB2
100nF
CB1
100nF
GND
R4 1K
R5 1K
R6 1K
R7 1K
JP11 RD0 PD0
JP12 RD1 PD1
JP13 RA2 PA2
JP14 RA3 PA3
D0
D1
D2
D3
LED
JP1
VCC-ICSP
J1
PROG-IN
J2
DATA
CLOCK
LVP
JP10
16/18
SW5
RESET
R3
100
R2
10K
D4
1N4148
C5
100nF
CX1
33pF
CX2
33pF
MCLR
OSC1
OSC2
XTAL1
11.0592MHz
U1
PIC16/18
RA0/AN0
RA1/AN1
RA2/AN2/VREF-
RA3/AN3/VREF+
RA4/T0CKI
RA5/AN4/SS
RB0/INT
RB1
RB2
RB3/PGM
RB4
RB5
RB6/PGC
RB7/PGD
MCLR/VPP/THV
OSC1/CLKIN
OSC2/CLKOUT
RC0/T1OSO/T1CKI
RC1/T1OSI/CCP2
RC2/CCP1
RC3/SCK/SCL
RC4/SDI/SDA
RC5/SD0
RC6/TX/CK
RC7/RX/DT
RD0/PSP0
RD1/PSP1
RD2/PSP2
RD3/PSP3
RD4/PSP4
RD5/PSP5
RD6/PSP6
RD7/PSP7
RE0/RD/AN5
RE1/WR/AN6
RE2/CS/AN7
XTAL2
32.768Hz
CX3
33pF
CX4
33pF
J6
PORTA
J7
PORTB
J8
PORTC
J9
PORTD
J10
PORTE
J3
RS232
DSR
RxD
RTS
TxD
CTS
DTR
U2
MAX232
Vs+
Vs-
VCC
GND
T1OUT
T2OUT
R1IN
R2IN
C1+
C1-
C2+
C2-
T1IN
T2IN
R1OUT
R2OUT
C10
1uF
C11
1uF
C12
1uF
C13
1uF
CCTS
CRxD
CRTS
CTxD
JP2
JP3
JP4
JP5
CTS
RxD
RTS
TxD
J4
PIC16F873
SW1
SW2
SW3
SW4
P0
P1
P2
P3
JP6
JP7
JP8
JP9
RB0/RB4
PB0
PB4
PB5
PB6
PB7
JT1
JT2