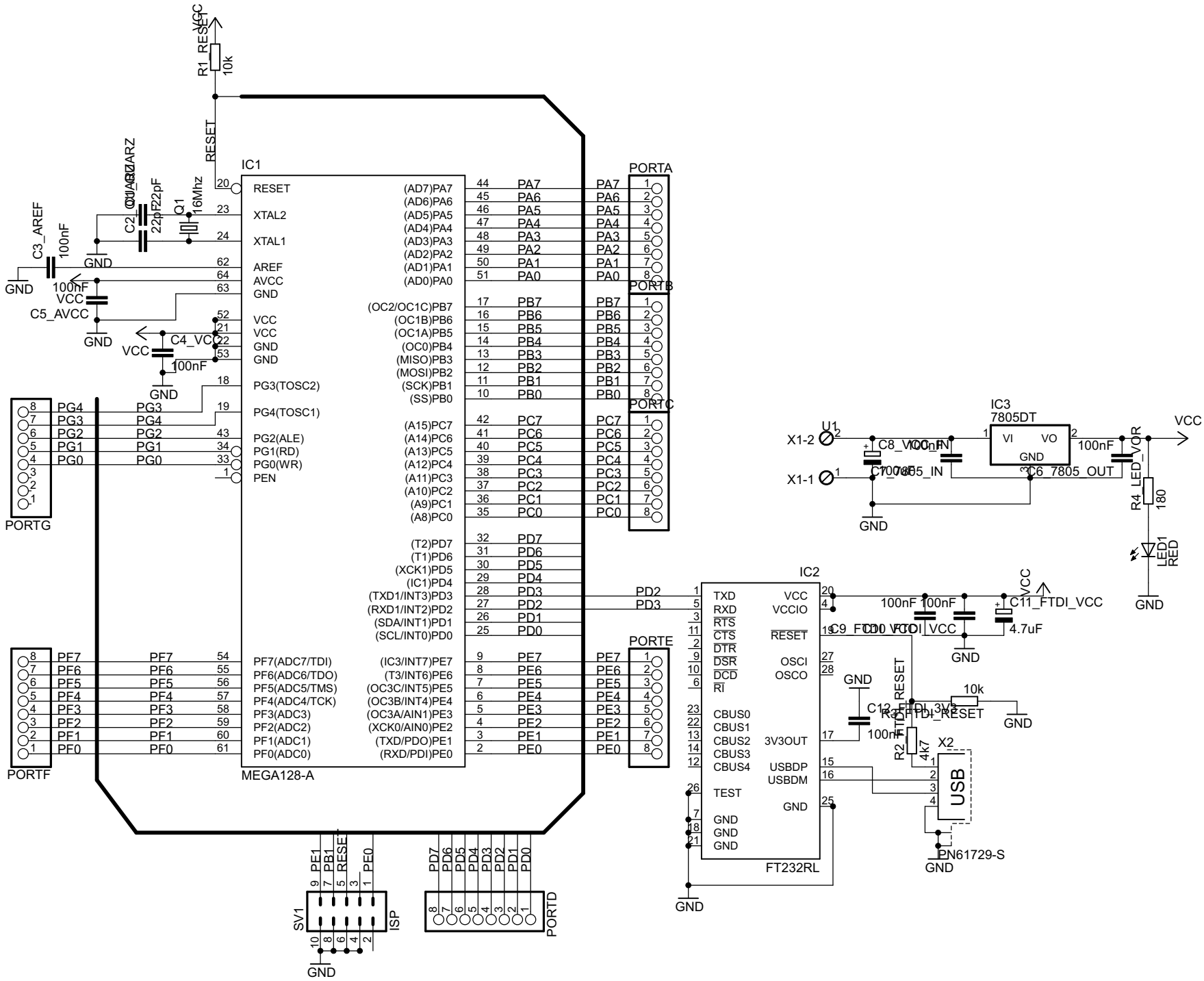
IC1
MEGA128-A
RESET
XTAL2
XTAL1
AREF
AVCC
GND
VCC
PG3(TOSC2)
PG4(TOSC1)
PG2(ALE)
PG1(RD)
PG0(WR)
PEN
PF7(ADC7/TDI)
PF6(ADC6/TDO)
PF5(ADC5/TMS)
PF4(ADC4/TCK)
PF3(ADC3)
PF2(ADC2)
PF1(ADC1)
PF0(ADC0)
(AD7)PA7
(AD6)PA6
(AD5)PA5
(AD4)PA4
(AD3)PA3
(AD2)PA2
(AD1)PA1
(AD0)PA0
(OC2/OC1C)PB7
(OC1B)PB6
(OC1A)PB5
(OC0)PB4
(MISO)PB3
(MOSI)PB2
(SCK)PB1
(SS)PB0
(A15)PC7
(A14)PC6
(A13)PC5
(A12)PC4
(A11)PC3
(A10)PC2
(A9)PC1
(A8)PC0
(T2)PD7
(T1)PD6
(XCK1)PD5
(IC1)PD4
(TXD1/INT3)PD3
(RXD1/INT2)PD2
(SDA/INT1)PD1
(SCL/INT0)PD0
(IC3/INT7)PE7
(T3/INT6)PE6
(OC3C/INT5)PE5
(OC3B/INT4)PE4
(OC3A/AIN1)PE3
(XCK0/AIN0)PE2
(TXD/PDO)PE1
(RXD/PDI)PE0
R1_RESET
10k
VCC
C2_22pF
22pF
Q1
16Mhz
C3_AREF
100nF
GND
C5_AVCC
C4_VCC
PORTA
PORTB
PORTC
PORTD
PORTE
PORTF
PORTG
SV1
ISP
IC2
FT232RL
TXD
RXD
RTS
CTS
DTR
DSR
DCD
RI
VCCIO
RESET
OSCI
OSCO
CBUS0
CBUS1
CBUS2
CBUS3
CBUS4
3V3OUT
USBDP
USBDM
TEST
C9_FTDI_VCC
C10_FTDI_VCC
C11_FTDI_VCC
4.7uF
C12_FTDI_3V3
R3_FTDI_RESET
10k
R2_FTDI_RESET
4k7
X2
USB
PN61729-S
IC3
7805DT
VI
VO
C6_7805_OUT
C7_7805_IN
C8_VCC_IN
R4_LED_VCC
180
LED1
RED
U1
X1-2
X1-1