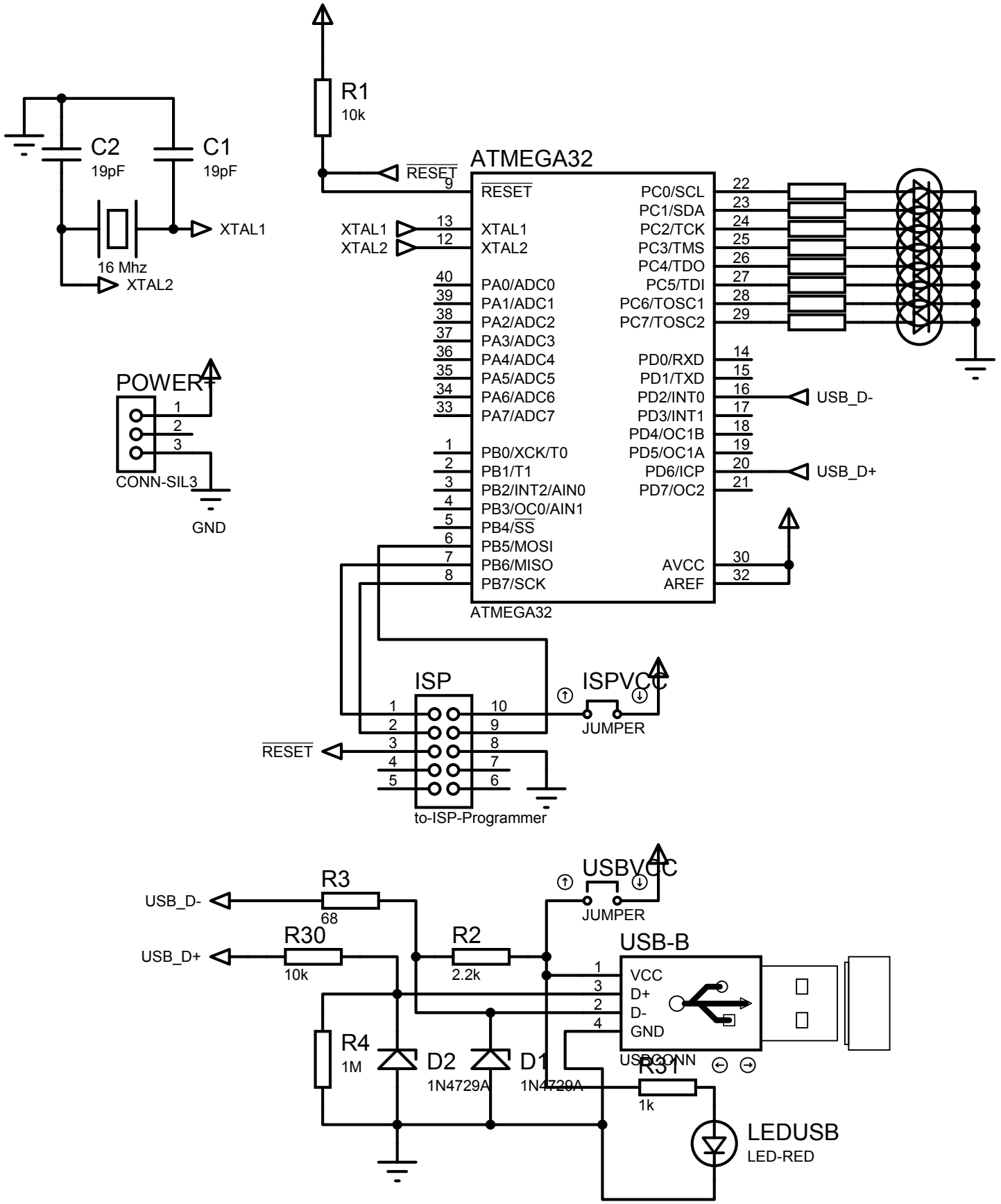
R1
10k
C2
19pF
C1
19pF
16 Mhz
XTAL1
XTAL2
ATMEGA32
RESET
9
RESET
XTAL1
13
XTAL1
XTAL2
12
XTAL2
40
PA0/ADC0
39
PA1/ADC1
38
PA2/ADC2
37
PA3/ADC3
36
PA4/ADC4
35
PA5/ADC5
34
PA6/ADC6
33
PA7/ADC7
1
PB0/XCK/T0
2
PB1/T1
3
PB2/INT2/AIN0
4
PB3/OC0/AIN1
5
PB4/SS
6
PB5/MOSI
7
PB6/MISO
8
PB7/SCK
PC0/SCL
PC1/SDA
PC2/TCK
PC3/TMS
PC4/TDO
PC5/TDI
PC6/TOSC1
PC7/TOSC2
22
23
24
25
26
27
28
29
PD0/RXD
PD1/TXD
PD2/INT0
PD3/INT1
PD4/OC1B
PD5/OC1A
PD6/ICP
PD7/OC2
14
15
16
17
18
19
20
21
USB_D-
USB_D+
AVCC
AREF
30
32
ATMEGA32
POWER
1
2
3
CONN-SIL3
GND
ISP
1
2
3
4
5
10
9
8
7
6
RESET
to-ISP-Programmer
ISPVCC
JUMPER
USBVCC
JUMPER
R3
68
USB_D-
R30
10k
USB_D+
R2
2.2k
USB-B
VCC
D+
D-
GND
USBCONN
R4
1M
D2
1N4729A
D1
1N4729A
R31
1k
LEDUSB
LED-RED