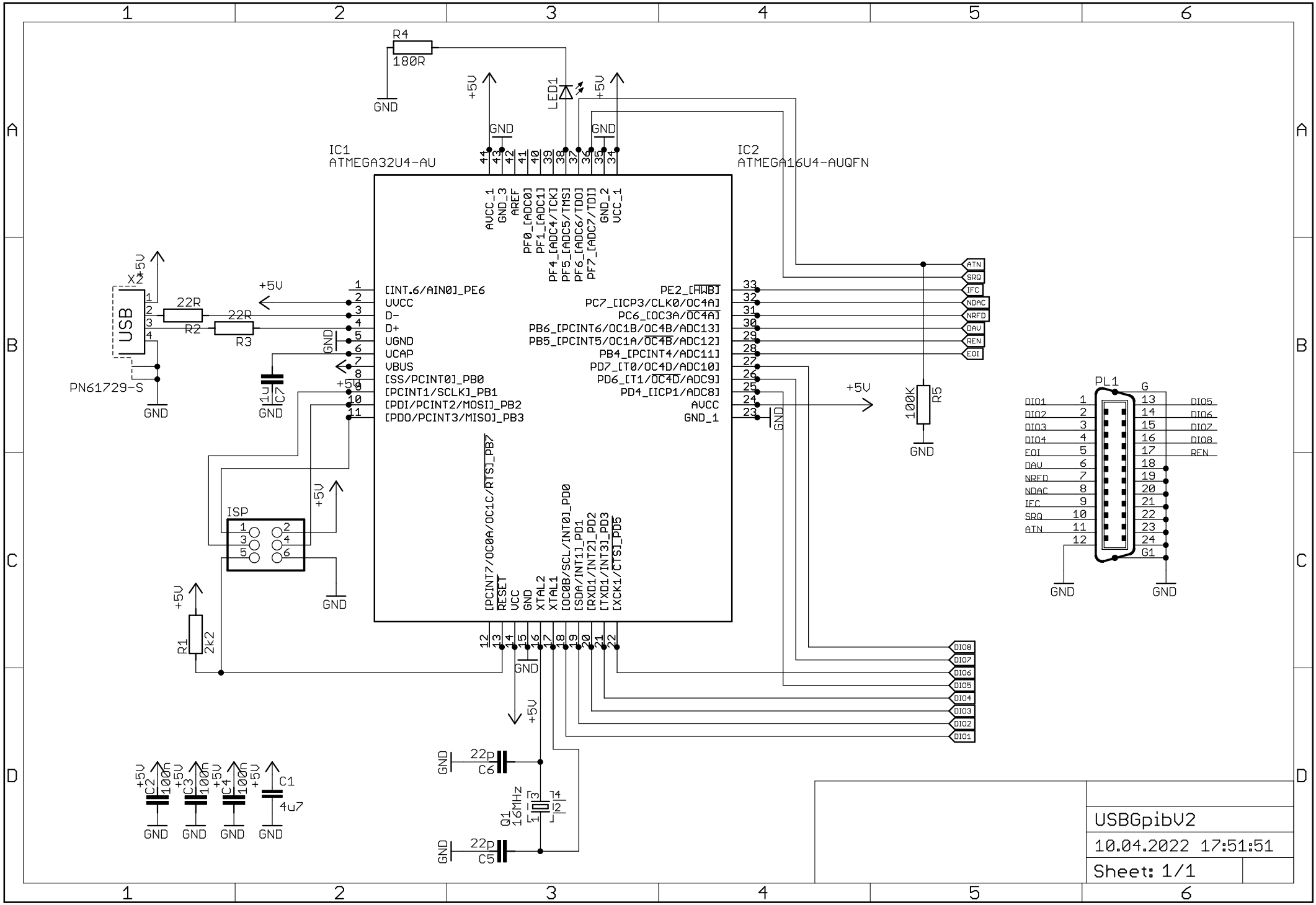
R4
180R
GND
+5V
LED1
IC1
ATMEGA32U4-AU
IC2
ATMEGA16U4-AUQFN
AVCC_1
GND_3
AREF
PF0_[ADC0]
PF1_[ADC1]
PF4_[ADC4/TCK]
PF5_[ADC5/TMS]
PF6_[ADC6/TDO]
PF7_[ADC7/TDI]
GND_2
VCC_1
[INT.6/AIN0]_PE6
UVCC
D-
D+
UGND
UCAP
VBUS
[SS/PCINT0]_PB0
[PCINT1/SCLK]_PB1
[PDI/PCINT2/MOSI]_PB2
[PDO/PCINT3/MISO]_PB3
[PCINT7/OC0A/OC1C/RTS]_PB7
RESET
VCC
GND
XTAL2
XTAL1
[OC0B/SCL/INT0]_PD0
[SDA/INT1]_PD1
[RXD1/INT2]_PD2
[TXD1/INT3]_PD3
[XCK1/CTS]_PD5
PE2_[HWB]
PC7_[ICP3/CLK0/OC4A]
PC6_[OC3A/OC4A]
PB6_[PCINT6/OC1B/OC4B/ADC13]
PB5_[PCINT5/OC1A/OC4B/ADC12]
PB4_[PCINT4/ADC11]
PD7_[T0/OC4D/ADC10]
PD6_[T1/OC4D/ADC9]
PD4_[ICP1/ADC8]
AVCC
GND_1
X2
USB
PN61729-S
22R
R2
R3
1u
C7
ISP
R1
2k2
C2
100n
C3
100n
C4
100n
C1
4u7
22p
C6
C5
Q1
16MHz
ATN
SRQ
IFC
NDAC
NRFD
DAV
REN
EOI
R5
100K
PL1
G
G1
DIO1
DIO2
DIO3
DIO4
DIO5
DIO6
DIO7
DIO8
USBGpibV2
10.04.2022 17:51:51
Sheet: 1/1