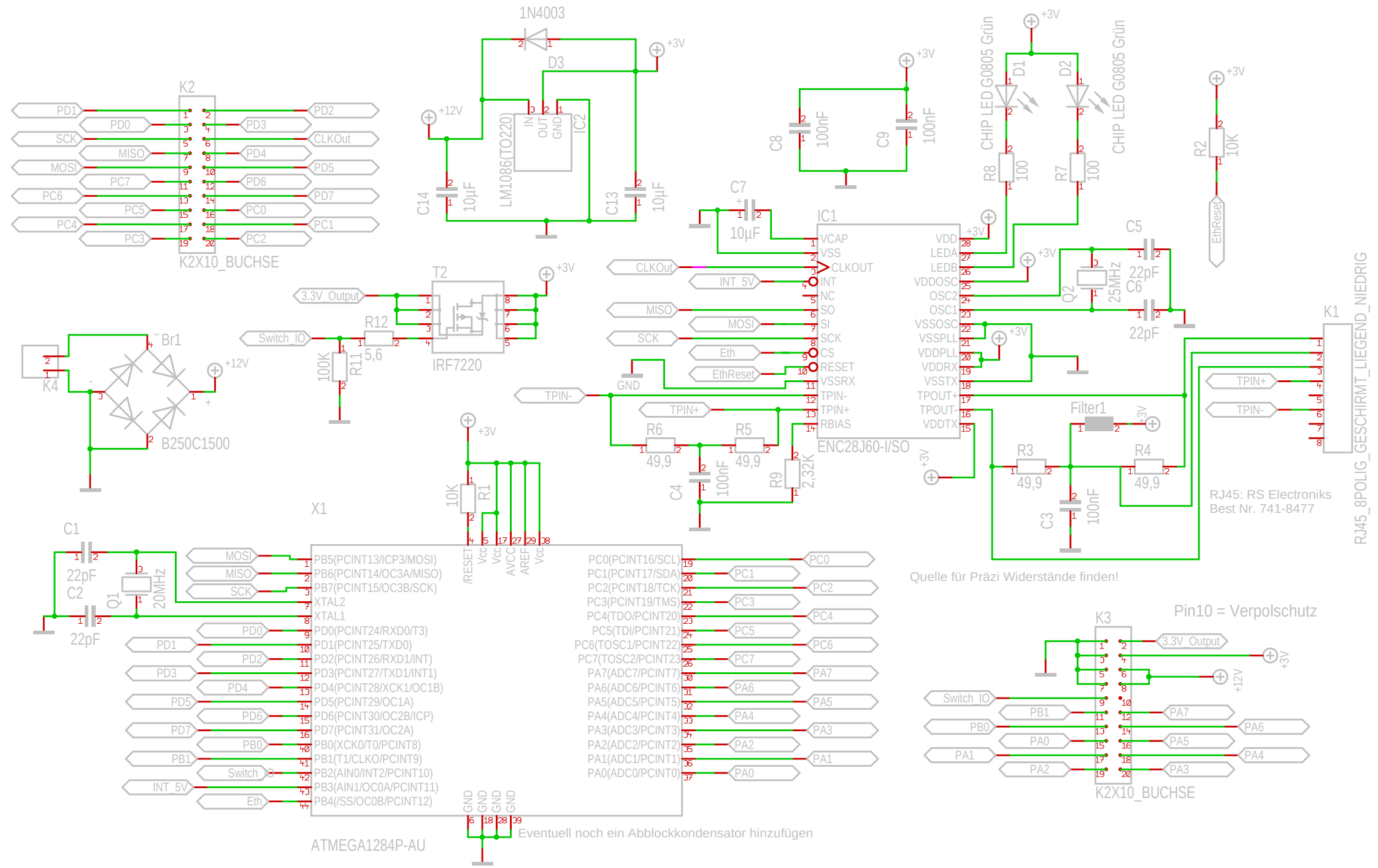
K2
K2X10_BUCHSE
PD1
PD0
SCK
MISO
MOSI
PC7
PC6
PC5
PC4
PC3
PD2
PD3
CLKOut
PD4
PD5
PD6
PD7
PC0
PC1
PC2
1N4003
D3
+12V
+3V
LM1086(TO220)
IN
OUT
GND
IC2
C14
10µF
C13
10µF
C8
100nF
C9
100nF
C7
10µF
IC1
ENC28J60-I/SO
VCAP
VSS
CLKOUT
INT
NC
SO
SI
SCK
CS
RESET
VSSRX
TPIN-
TPIN+
RBIAS
VDD
LEDA
LEDB
VDDOSC
OSC2
OSC1
VSSOSC
VSSPLL
VDDPLL
VDDRX
VSSTX
TPOUT+
TPOUT-
VDDTX
CLKOut
INT_5V
MISO
MOSI
SCK
Eth
EthReset
GND
CHIP LED G0805 Grün
D1
D2
R8
100
R7
100
R2
10K
EthReset
C5
22pF
C6
22pF
Q2
25MHz
K1
RJ45_8POLIG_GESCHIRMT_LIEGEND_NIEDRIG
TPIN+
TPIN-
Filter1
R3
49,9
R4
49,9
C3
100nF
RJ45: RS Electroniks
Best Nr. 741-8477
Quelle für Präzi Widerstände finden!
T2
IRF7220
3.3V_Output
Switch_IO
R12
5,6
R11
100K
K4
Br1
B250C1500
R6
49,9
R5
49,9
C4
100nF
R9
2,32K
10K
R1
X1
ATMEGA1284P-AU
/RESET
Vcc
AVCC
AREF
PB5(PCINT13/ICP3/MOSI)
PB6(PCINT14/OC3A/MISO)
PB7(PCINT15/OC3B/SCK)
XTAL2
XTAL1
PD0(PCINT24/RXD0/T3)
PD1(PCINT25/TXD0)
PD2(PCINT26/RXD1/INT)
PD3(PCINT27/TXD1/INT1)
PD4(PCINT28/XCK1/OC1B)
PD5(PCINT29/OC1A)
PD6(PCINT30/OC2B/ICP)
PD7(PCINT31/OC2A)
PB0(XCK0/T0/PCINT8)
PB1(T1/CLKO/PCINT9)
PB2(AIN0/INT2/PCINT10)
PB3(AIN1/OC0A/PCINT11)
PB4(/SS/OC0B/PCINT12)
PC0(PCINT16/SCL)
PC1(PCINT17/SDA)
PC2(PCINT18/TCK)
PC3(PCINT19/TMS)
PC4(TDO/PCINT20)
PC5(TDI/PCINT21)
PC6(TOSC1/PCINT22)
PC7(TOSC2/PCINT23)
PA7(ADC7/PCINT7)
PA6(ADC6/PCINT6)
PA5(ADC5/PCINT5)
PA4(ADC4/PCINT4)
PA3(ADC3/PCINT3)
PA2(ADC2/PCINT2)
PA1(ADC1/PCINT1)
PA0(ADC0/PCINT0)
GND
Eventuell noch ein Abblockkondensator hinzufügen
C1
22pF
C2
22pF
Q1
20MHz
MOSI
MISO
SCK
PD0
PD1
PD2
PD3
PD4
PD5
PD6
PD7
PB0
PB1
Switch
INT_5V
Eth
K3
K2X10_BUCHSE
Pin10 = Verpolschutz
3.3V_Output
Switch_IO
PB1
PB0
PA0
PA1
PA2
PA7
PA6
PA5
PA4
PA3