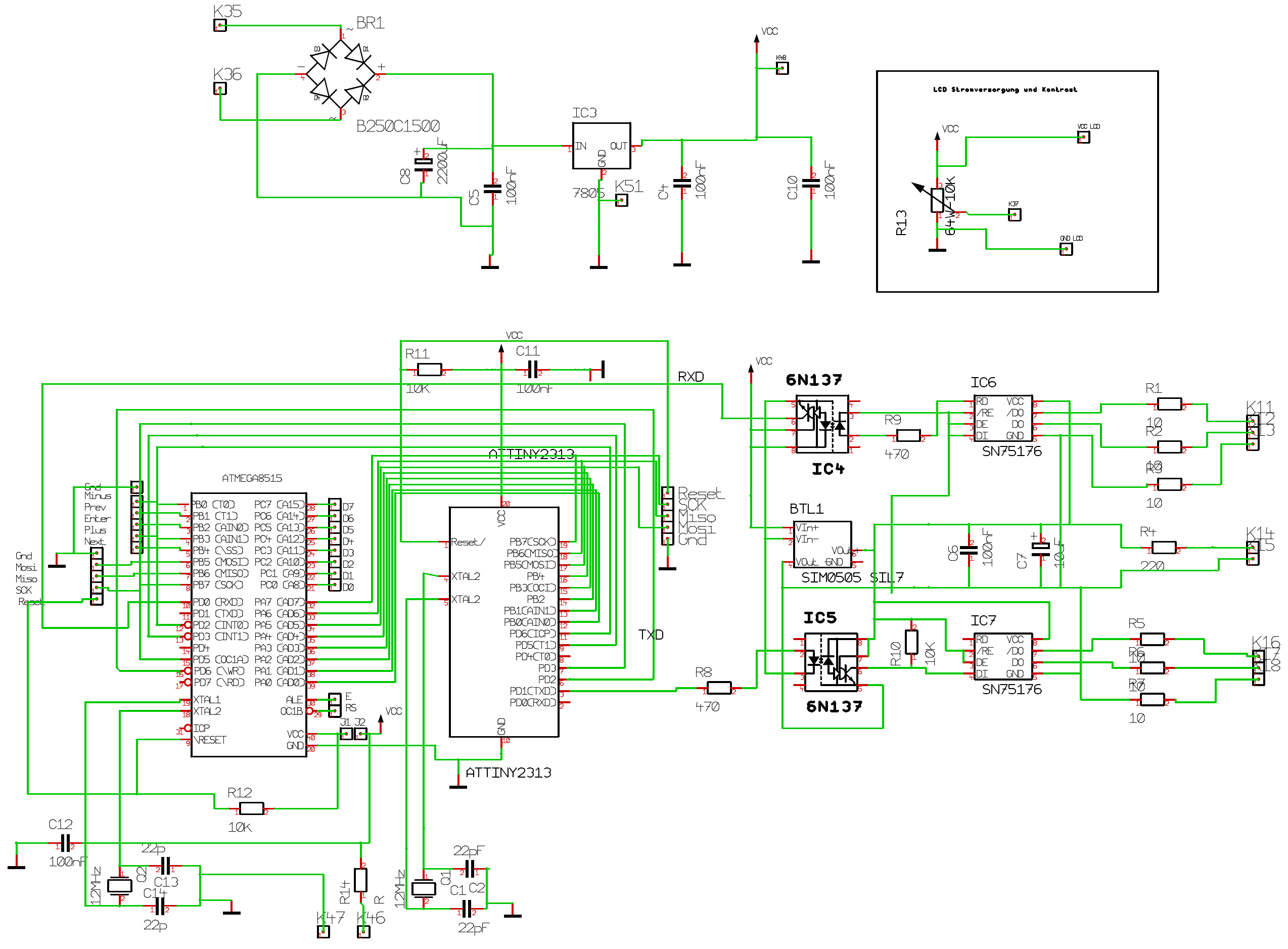
K35
K36
BR1
B250C1500
C8
2200uF
C5
100nF
IC3
IN
OUT
GND
7805
K51
VCC
K48
C4
100nF
C10
100nF
LCD Stromversorgung und Kontrast
VCC
VCC LCD
R13
64W-10K
K37
GND LCD
R11
10K
C11
100nF
RXD
ATMEGA8515
PB0 (T0)
PB1 (T1)
PB2 (AIN0)
PB3 (AIN1)
PB4 (\SS)
PB5 (MOSI)
PB6 (MISO)
PB7 (SCK)
PD0 (RXD)
PD1 (TXD)
PD2 (INT0)
PD3 (INT1)
PD4
PD5 (OC1A)
PD6 (\WR)
PD7 (\RD)
XTAL1
XTAL2
ICP
\RESET
PC7 (A15)
PC6 (A14)
PC5 (A13)
PC4 (A12)
PC3 (A11)
PC2 (A10)
PC1 (A9)
PC0 (A8)
PA7 (AD7)
PA6 (AD6)
PA5 (AD5)
PA4 (AD4)
PA3 (AD3)
PA2 (AD2)
PA1 (AD1)
PA0 (AD0)
ALE
OC1B
VCC
GND
D7
D6
D5
D4
D3
D2
D1
D0
E
RS
Gnd
Minus
Prev
Enter
Plus
Next
Gnd
Mosi
Miso
SCK
Reset
J1
J2
ATTINY2313
Reset/
XTAL2
XTAL2
PB7(SCK)
PB6(MISO)
PB5(MOSI)
PB4
PB3(OC1)
PB2
PB1(AIN1)
PB0(AIN0)
PD6(ICP)
PD5(T1)
PD4(T0)
PD3
PD2
PD1(TXD)
PD0(RXD)
GND
Reset
SCK
Miso
Mosi
Gnd
TXD
ATTINY2313
R12
10K
C12
100nF
22p
Q2
C13
C14
22p
12MHz
R14
R
K47
K46
22pF
Q1
C1
C2
22pF
12MHz
R8
470
6N137
IC4
R9
470
IC6
RD
/RE
DE
DI
VCC
/DO
DO
GND
SN75176
R1
10
R2
10
R3
10
K11
K12
K13
BTL1
VIn+
VIn-
VOut
VOut
GND
SIM0505 SIL7
C6
100nF
C7
10u
R4
220
K14
K15
IC5
6N137
R10
10K
IC7
RD
/RE
DE
DI
VCC
/DO
DO
GND
SN75176
R5
R6
10
R7
10
K16
K17
K18