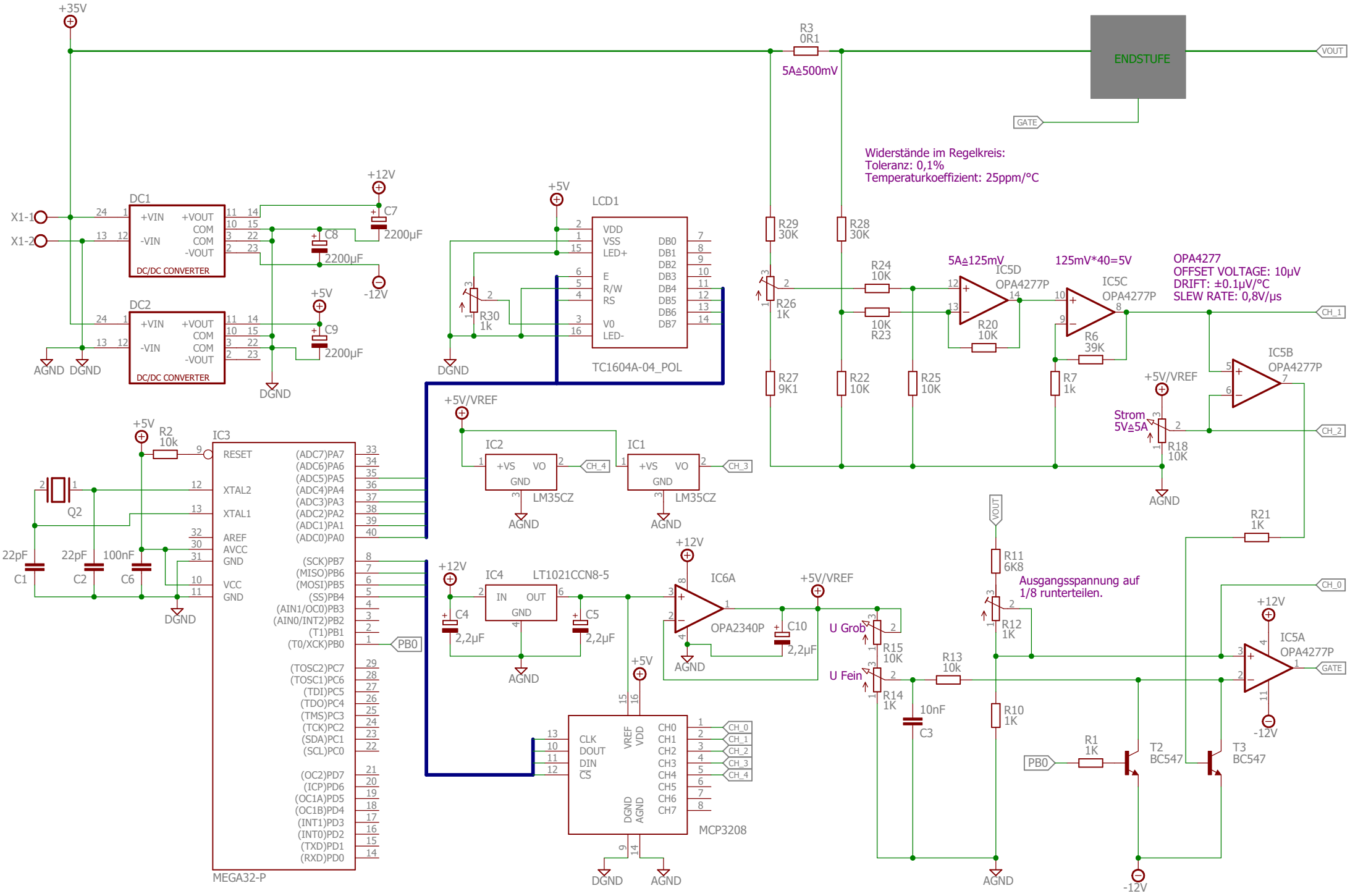
+35V
R3
0R1
5A≙500mV
ENDSTUFE
VOUT
GATE
Widerstände im Regelkreis:
Toleranz: 0,1%
Temperaturkoeffizient: 25ppm/°C
DC1
DC2
DC/DC CONVERTER
+VIN
-VIN
+VOUT
COM
-VOUT
X1-1
X1-2
AGND
DGND
+12V
-12V
+5V
C7
C8
C9
2200µF
LCD1
VDD
VSS
LED+
E
R/W
RS
V0
LED-
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7
TC1604A-04_POL
R30
1k
R29
30K
R28
30K
R26
1K
R24
10K
10K
R23
R27
9K1
R22
10K
R25
10K
5A≙125mV
125mV*40=5V
IC5D
OPA4277P
IC5C
OPA4277P
R20
10K
R6
39K
R7
1k
OPA4277
OFFSET VOLTAGE: 10µV
DRIFT: ±0.1µV/°C
SLEW RATE: 0,8V/µs
IC5B
OPA4277P
CH_1
CH_2
+5V/VREF
Strom
5V≙5A
R18
10K
R2
10k
IC3
MEGA32-P
RESET
XTAL2
XTAL1
AREF
AVCC
GND
VCC
(ADC7)PA7
(ADC6)PA6
(ADC5)PA5
(ADC4)PA4
(ADC3)PA3
(ADC2)PA2
(ADC1)PA1
(ADC0)PA0
(SCK)PB7
(MISO)PB6
(MOSI)PB5
(SS)PB4
(AIN1/OC0)PB3
(AIN0/INT2)PB2
(T1)PB1
(T0/XCK)PB0
PB0
(TOSC2)PC7
(TOSC1)PC6
(TDI)PC5
(TDO)PC4
(TMS)PC3
(TCK)PC2
(SDA)PC1
(SCL)PC0
(OC2)PD7
(ICP)PD6
(OC1A)PD5
(OC1B)PD4
(INT1)PD3
(INT0)PD2
(TXD)PD1
(RXD)PD0
Q2
22pF
C1
22pF
C2
100nF
C6
IC2
IC1
+VS
VO
GND
LM35CZ
CH_4
CH_3
IC4
LT1021CCN8-5
IN
OUT
C4
2,2µF
C5
2,2µF
IC6A
OPA2340P
C10
2,2µF
U Grob
U Fein
R15
10K
R14
1K
10nF
C3
R13
10k
R11
6K8
R12
1K
R21
1K
Ausgangsspannung auf
1/8 runterteilen.
R10
1K
IC5A
OPA4277P
R1
1K
T2
BC547
T3
BC547
MCP3208
CLK
DOUT
DIN
CS
VREF
VDD
DGND
AGND
CH0
CH1
CH2
CH3
CH4
CH5
CH6
CH7