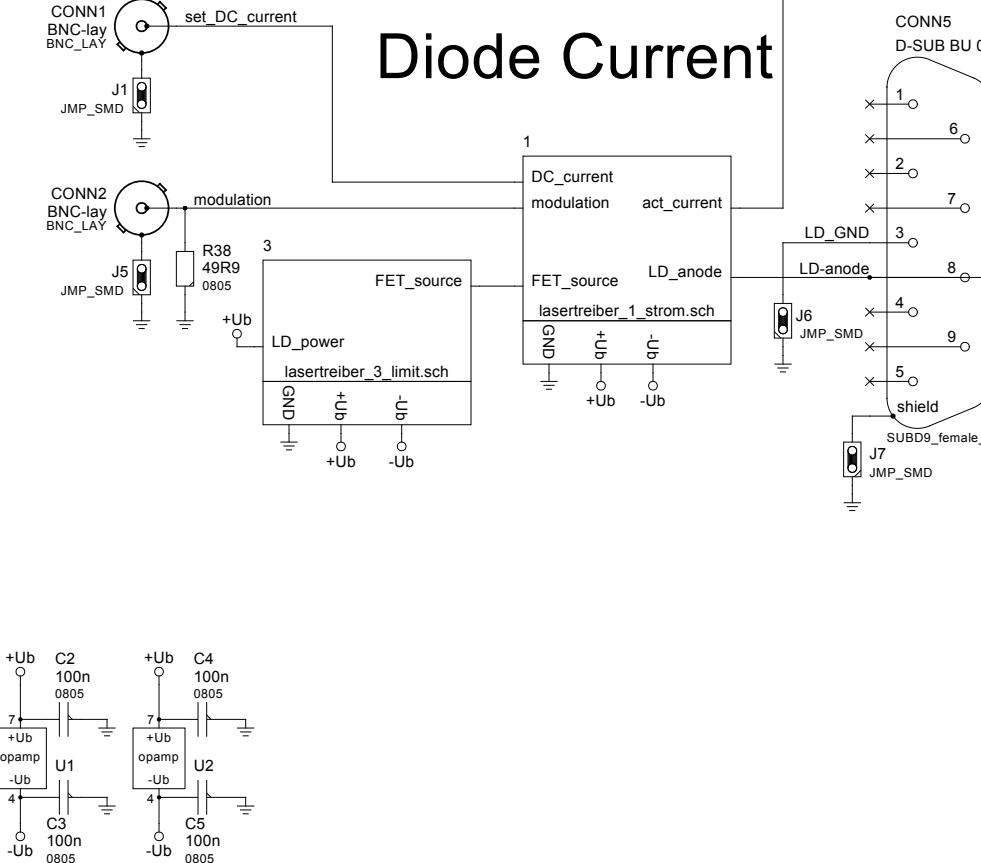
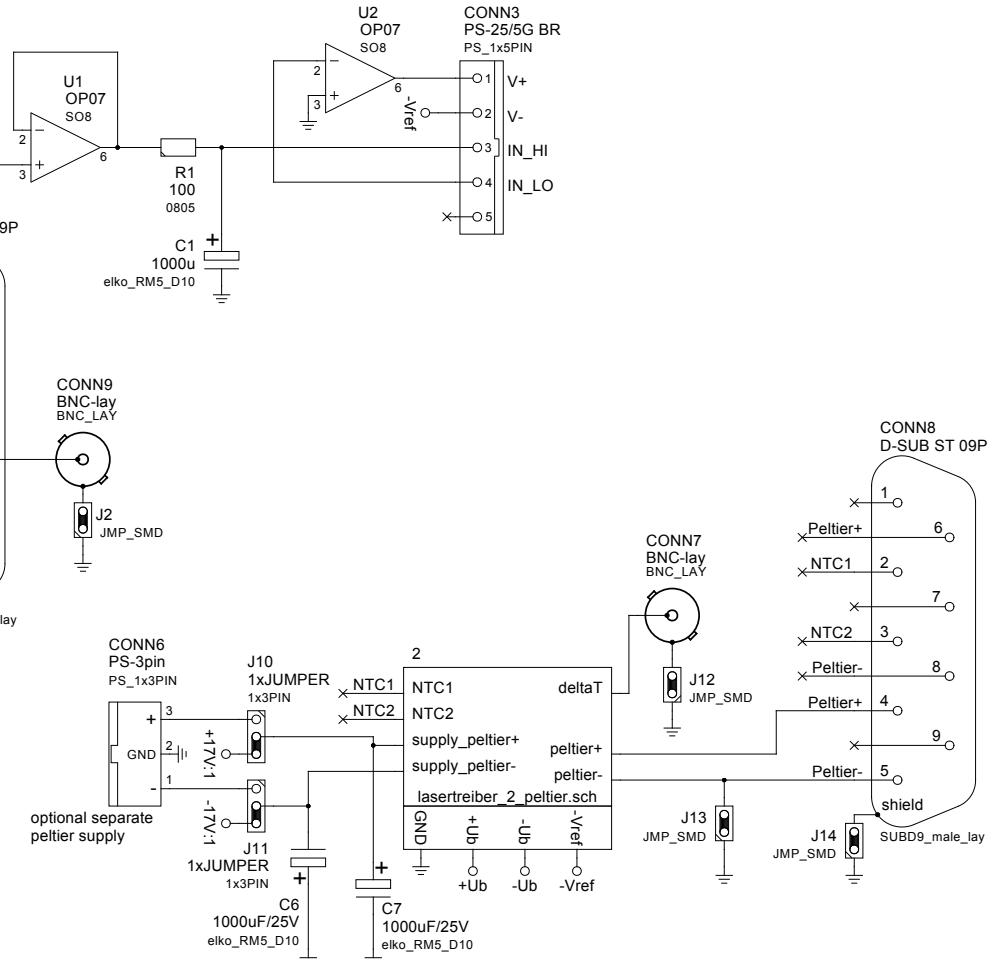


LCD-Display



Diode Current



Peltier Current



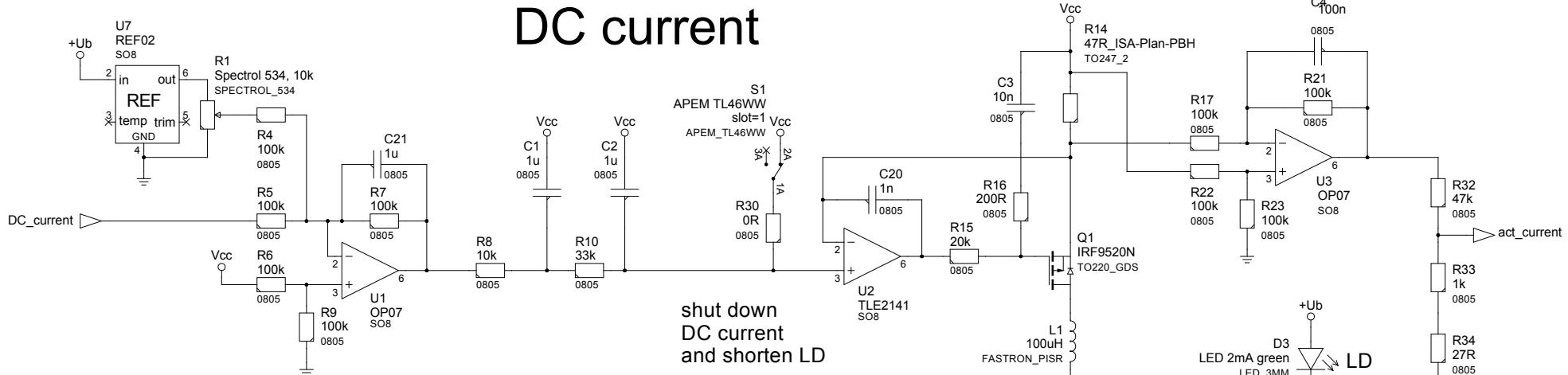
BNC-LAY = Telegaertner J01001A0037

Lasertreiber (master)

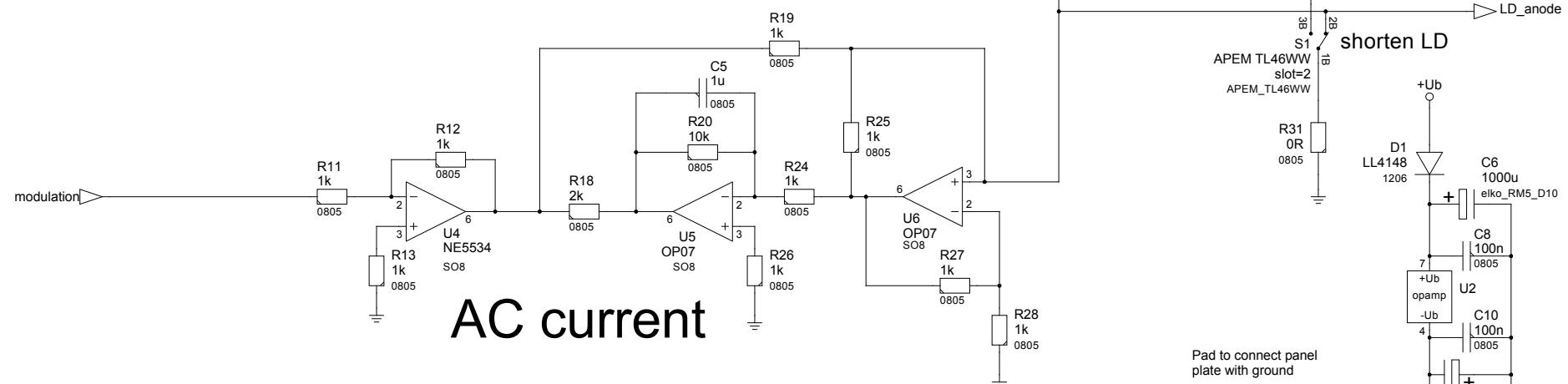
TITLE	Lasertreiber_0_master.sch	2.3
FILE:	-<(kmk)>-	REV.: 01.04.2016
		DATE:
		PAGE: 1/4

set DC current

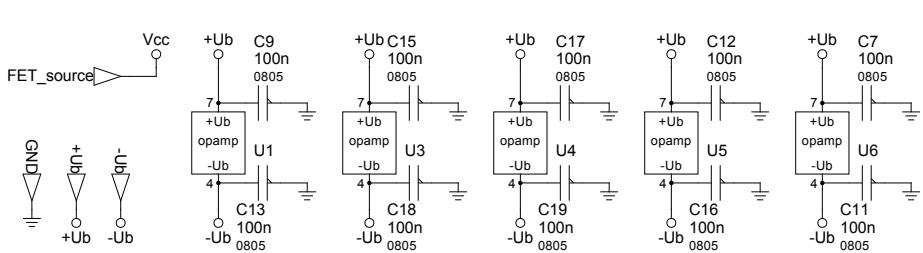
DC current



shut down
DC current
and shorten LD



AC current



For 200 mA:
* R14 = 22 Ω
* R32 = 33 kΩ
* R33 = 910 Ω
* R34 = 680 Ω

Lasertreiber (Strom)

TITLE:
PROJECT:
FILE:

Lasertreiber
Lasertreiber_1_strom.sch

-<(kmk)>

DRAWN BY:
PAGE: 2 / 4

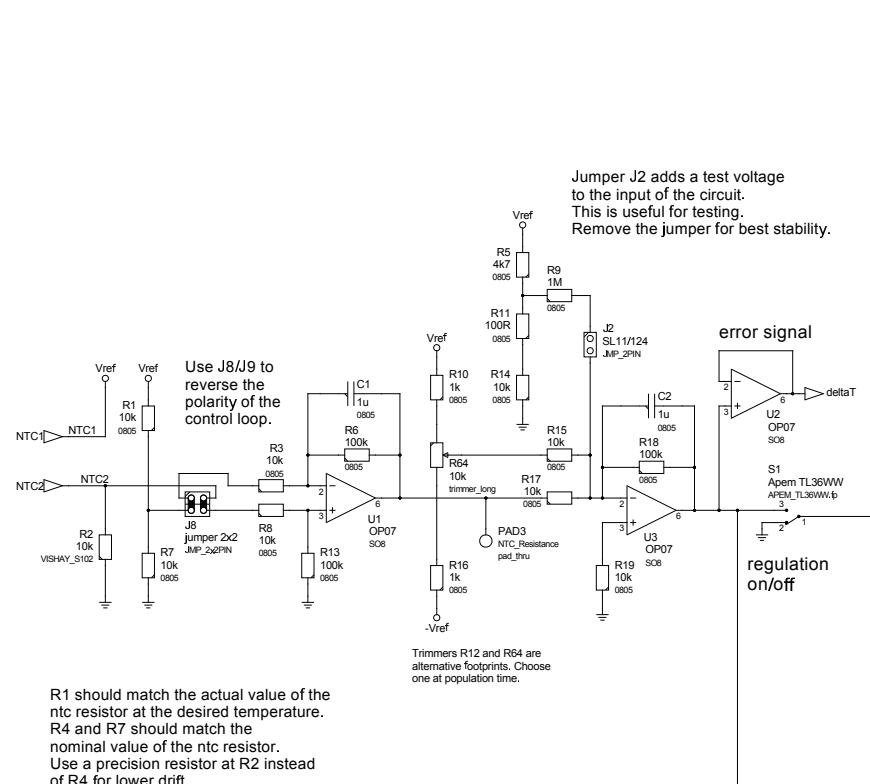
2.3

REV.:

01.04.2016

DATE:

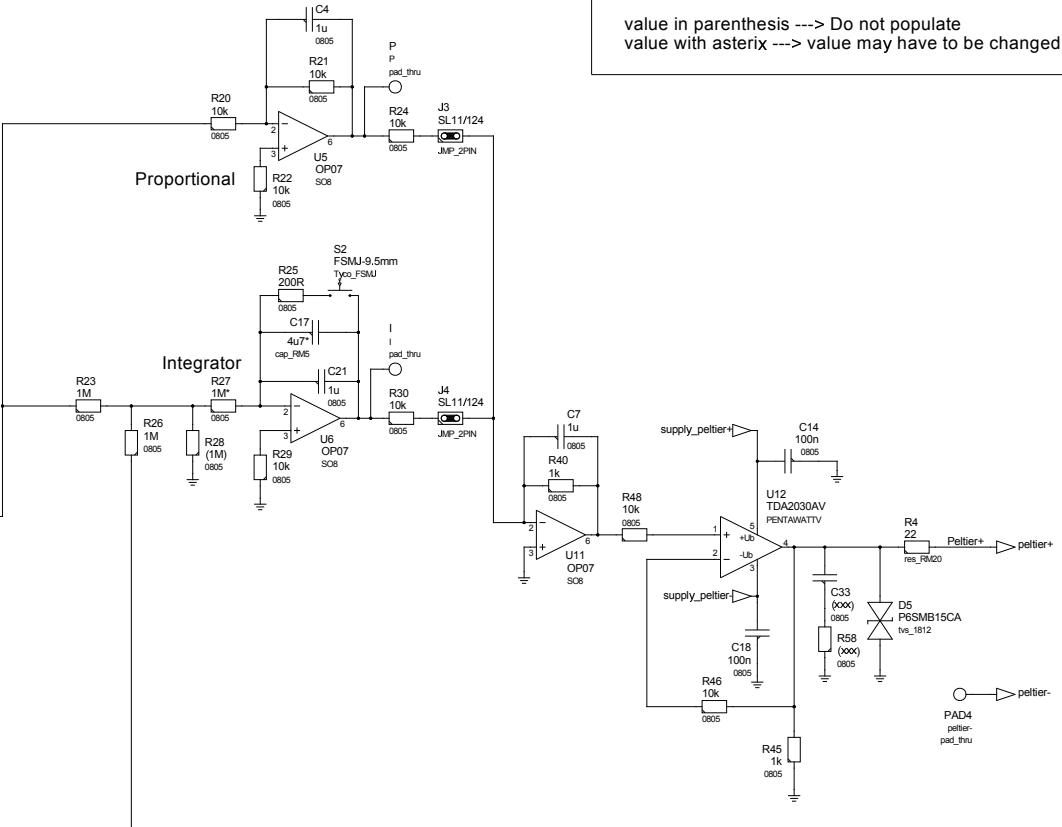
PAGE: 2 / 4



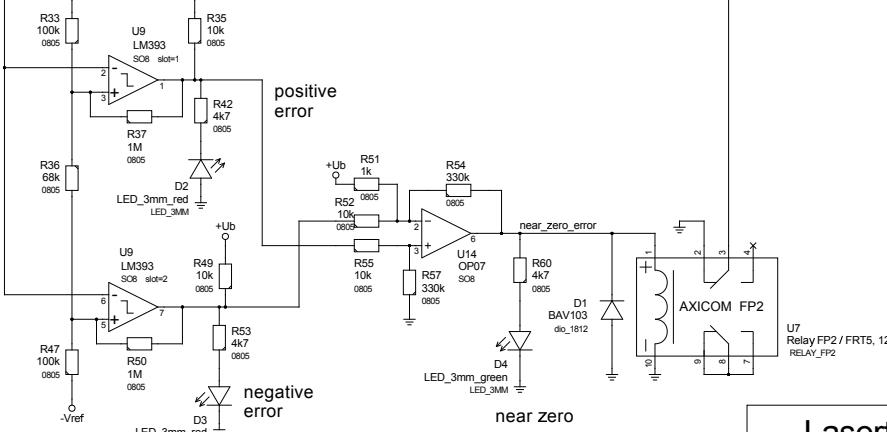
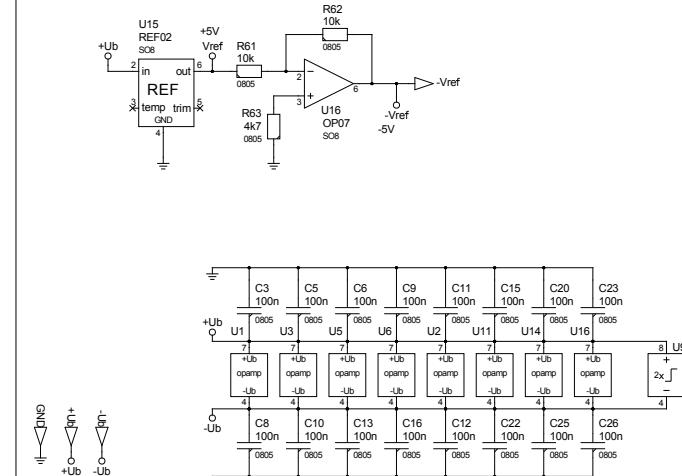
Jumper J2 adds a test voltage to the input of the circuit. This is useful for testing. Remove the jumper for best stability.

R1 should match the actual value of the ntc resistor at the desired temperature.
R4 and R7 should match the nominal value of the ntc resistor.
Use a precision resistor at R2 instead of R4 for lower drift.

Trimmers R12 and R64 are alternative footprints. Choose one at population time.



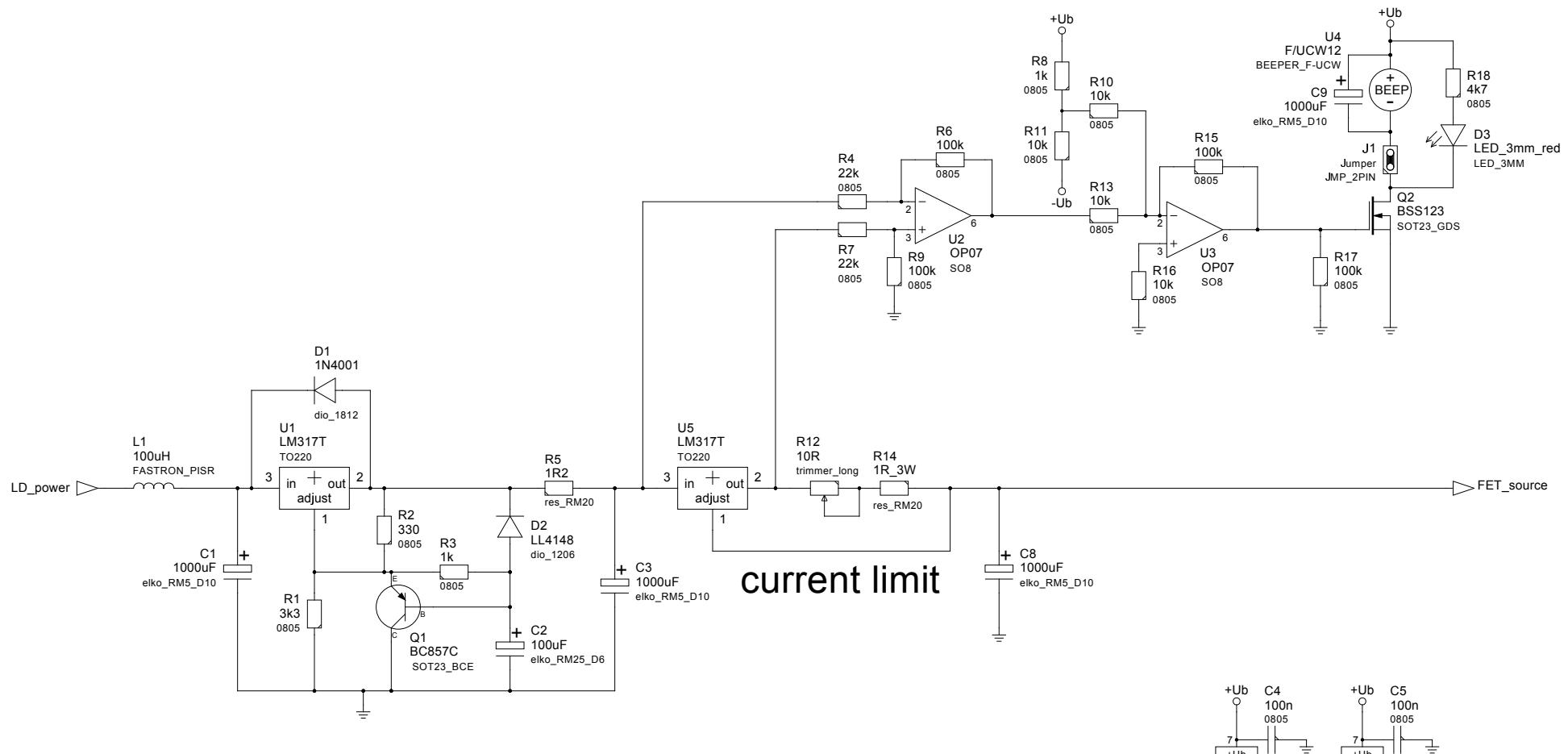
precision voltage reference



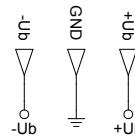
Lasertreiber (Peltier)

2.3
REV.:
01.04.16
DATE:
PAGE: 3/4

Warn, when beyond the limit



value in parenthesis --> Do not populate
value with asterisk --> value may have to be changed



Lasertreiber (Limit)		2.3
REV.:		
28.11.13		DATE:
-<(kmk)>-		DRAWN BY:
FILE: lasertreiber_3_limit.sch		PAGE: 4/4