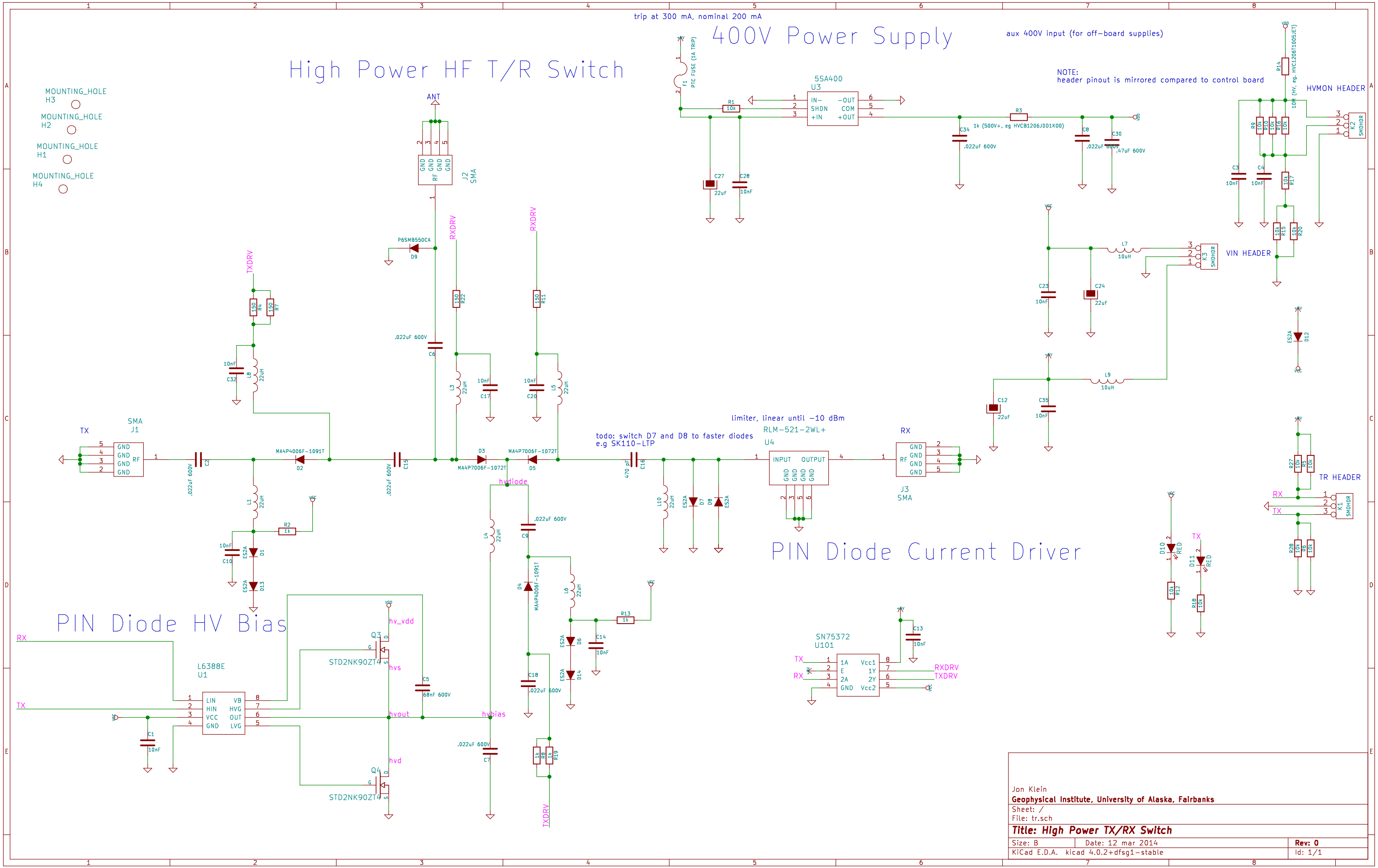
High Power HF T/R Switch
400V Power Supply
trip at 300 mA, nominal 200 mA
aux 400V input (for off-board supplies)
NOTE:
header pinout is mirrored compared to control board
PIN Diode Current Driver
PIN Diode HV Bias
limiter, linear until -10 dBm
RLM-521-2WL+
U4
todo: switch D7 and D8 to faster diodes
e.g SK110-LTP
5SA400
U3
L6388E
U1
SN75372
U101
HVMON HEADER
VIN HEADER
TR HEADER
ANT
TX
RX
RXDRV
TXDRV
hv_vdd
hvs
hvout
hvd
hvbias
hvdiode
MOUNTING_HOLE H1
MOUNTING_HOLE H2
MOUNTING_HOLE H3
MOUNTING_HOLE H4
Jon Klein
Geophysical Institute, University of Alaska, Fairbanks
Sheet: /
File: tr.sch
Title: High Power TX/RX Switch
Size: B
Date: 12 mar 2014
Rev: 0
KiCad E.D.A. kicad 4.0.2+dfsg1-stable
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