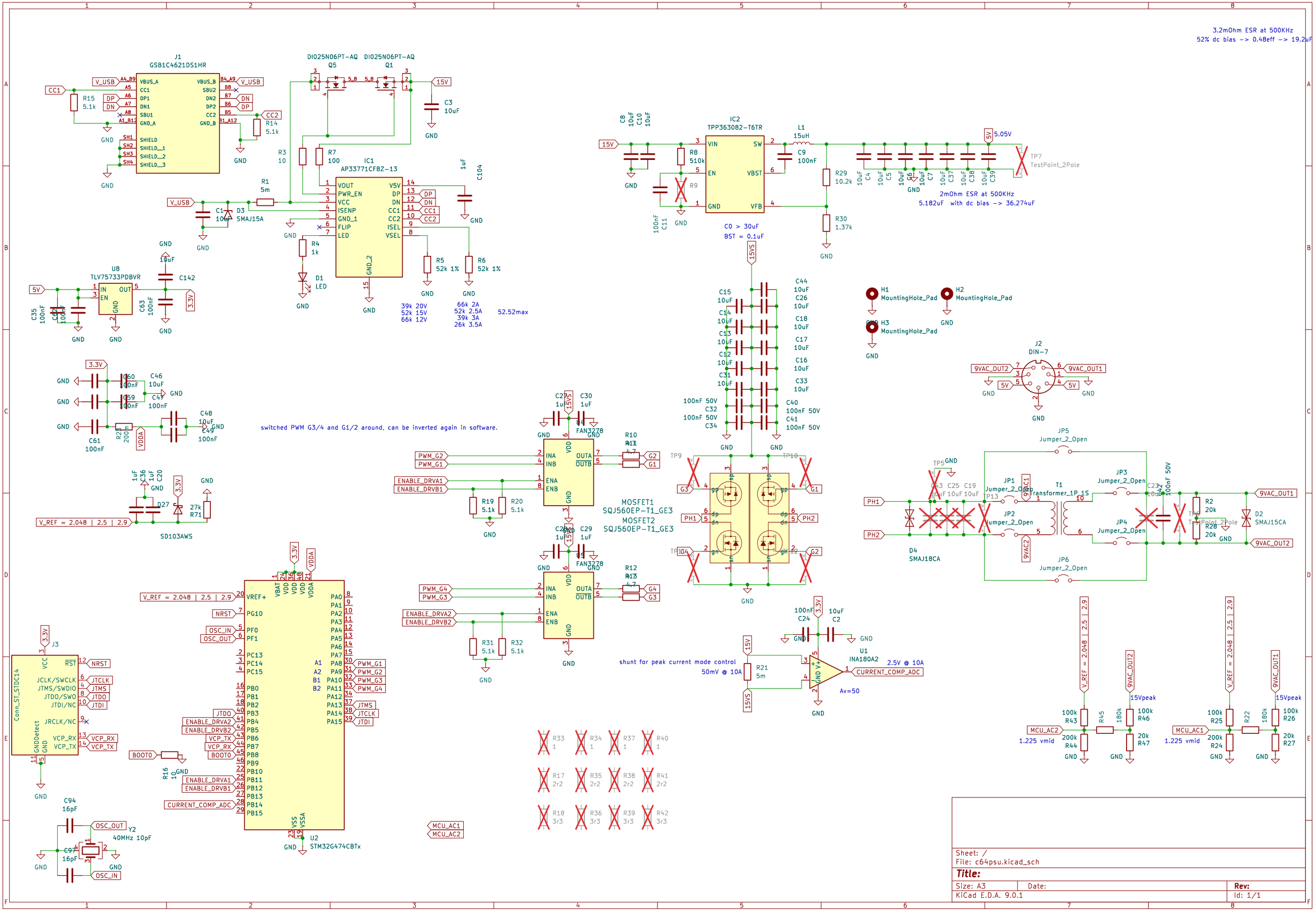
3.2mOhm ESR at 500KHz
52% dc bias -> 0.48eff -> 19.2uF
J1
GSB1C4621DS1HR
DI025N06PT-AQ Q5
DI025N06PT-AQ Q1
IC1
AP33771CFBZ-13
IC2
TPP363082-T6TR
L1
15uH
2mOhm ESR at 500KHz
5.182uF with dc bias -> 36.274uF
CO > 30uF
BST = 0.1uF
U8
TLV75733PDBVR
switched PWM G3/4 and G1/2 around, can be inverted again in software.
U4
FAN3278
MOSFET1
SQJ560EP-T1_GE3
MOSFET2
SQJ560EP-T1_GE3
U1
INA180A2
2.5V @ 10A
Av=50
shunt for peak current mode control
50mV @ 10A
U2
STM32G474CBTx
Conn_ST_STDC14
J2
DIN-7
JP5
Jumper_2_Open
T1
Transformer_1P_1S
D4
SMAJ18CA
D2
SMAJ15CA
SD103AWS
Y2
40MHz 10pF
H1
MountingHole_Pad
H2
MountingHole_Pad
H3
MountingHole_Pad
Sheet: /
File: c64psu.kicad_sch
Title:
Size: A3
Date:
Rev:
KiCad E.D.A. 9.0.1
Id: 1/1