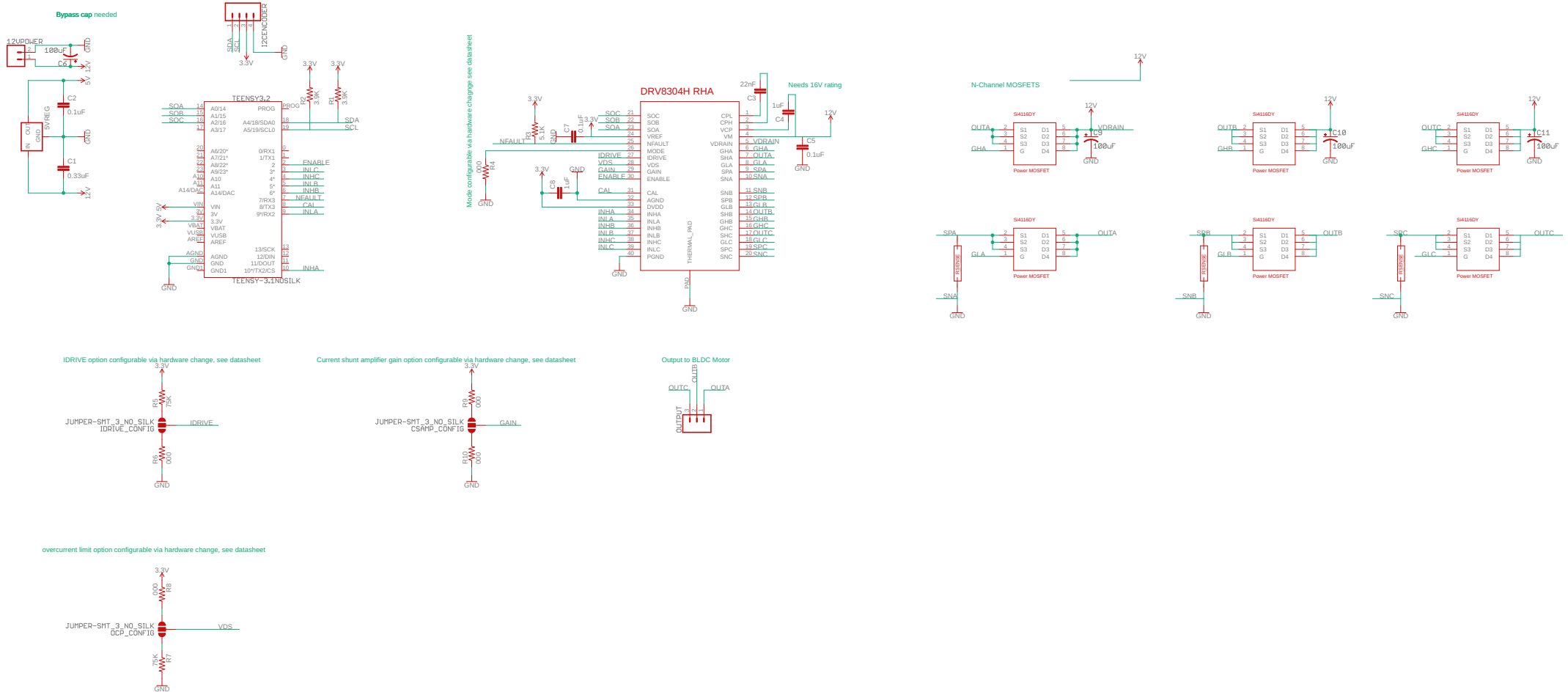
Bypass cap needed
12VPOWER
100uF
C6
5V
12V
C2
0.1uF
5VREG
C1
0.33uF
I2CENCODER
SDA
SCL
3.3V
GND
TEENSY3.2
TEENSY-3.1NDSILK
R2 3.9K
R1 3.9K
ENABLE
INLC
INHC
INLB
INHB
NFAULT
CAL
INLA
INHA
DRV8304H RHA
Needs 16V rating
22nF
C3
1uF
C4
C5
0.1uF
C7
0.1uF
C8
1uF
R4 5.1K
R14 000
Mode configurable via hardware changge see datasheet
VDRAIN
GHA
OUTA
GLA
SPA
SNA
N-Channel MOSFETS
Si4116DY
Power MOSFET
C9
100uF
C10
100uF
C11
100uF
OUTB
GHB
GLB
SPB
SNB
OUTC
GHC
GLC
SPC
SNC
R SENSE
IDRIVE option configurable via hardware change, see datasheet
R5 75K
R6 000
JUMPER-SMT_3_NO_SILK
IDRIVE_CONFIG
Current shunt amplifier gain option configurable via hardware change, see datasheet
R9 000
R10 000
CSAMP_CONFIG
Output to BLDC Motor
OUTPUT
overcurrent limit option configurable via hardware change, see datasheet
R8 000
R7 75K
OCP_CONFIG