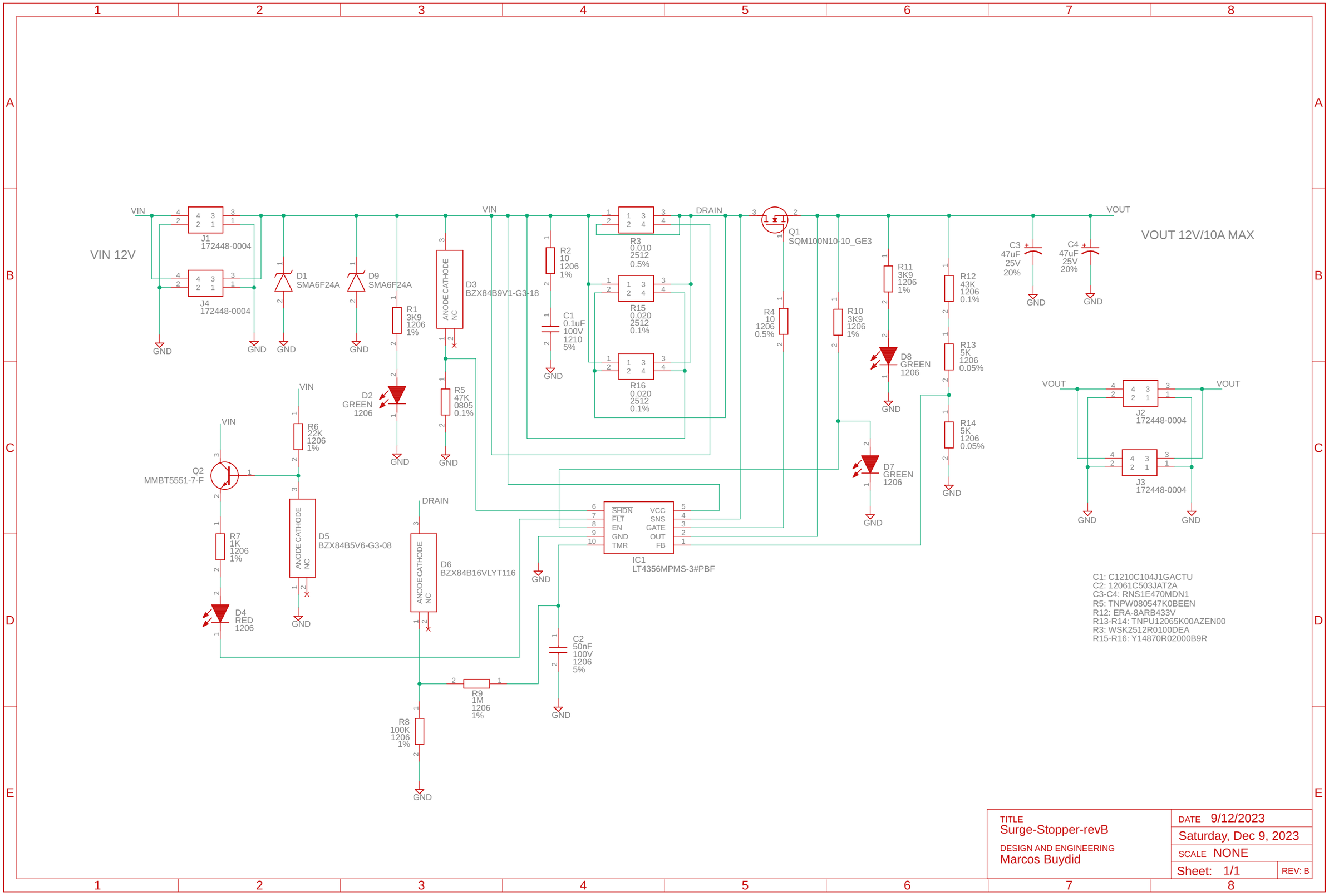
VIN 12V
VOUT 12V/10A MAX
J1 172448-0004
J4 172448-0004
J2 172448-0004
J3 172448-0004
D1 SMA6F24A
D9 SMA6F24A
D3 BZX84B9V1-G3-18
D2 GREEN 1206
D8 GREEN 1206
D7 GREEN 1206
D4 RED 1206
D5 BZX84B5V6-G3-08
D6 BZX84B16VLYT116
Q1 SQM100N10-10_GE3
Q2 MMBT5551-7-F
IC1 LT4356MPMS-3#PBF
R1 3K9 1206 1%
R2 10 1206 1%
R3 0.010 2512 0.5%
R4 10 1206 0.5%
R5 47K 0805 0.1%
R6 22K 1206 1%
R7 1K 1206 1%
R8 100K 1206 1%
R9 1M 1206 1%
R10 3K9 1206 1%
R11 3K9 1206 1%
R12 43K 1206 0.1%
R13 5K 1206 0.05%
R14 5K 1206 0.05%
R15 0.020 2512 0.1%
R16 0.020 2512 0.1%
C1 0.1uF 100V 1210 5%
C2 50nF 100V 1206 5%
C3 47uF 25V 20%
C4 47uF 25V 20%
VIN
VOUT
DRAIN
GND
SHDN
FLT
EN
GND
TMR
VCC
SNS
GATE
OUT
FB
ANODE CATHODE NC
C1: C1210C104J1GACTU
C2: 12061C503JAT2A
C3-C4: RNS1E470MDN1
R5: TNPW080547K0BEEN
R12: ERA-8ARB433V
R13-R14: TNPU12065K00AZEN00
R3: WSK2512R0100DEA
R15-R16: Y14870R02000B9R
TITLE
Surge-Stopper-revB
DESIGN AND ENGINEERING
Marcos Buydid
DATE 9/12/2023
Saturday, Dec 9, 2023
SCALE NONE
Sheet: 1/1
REV: B