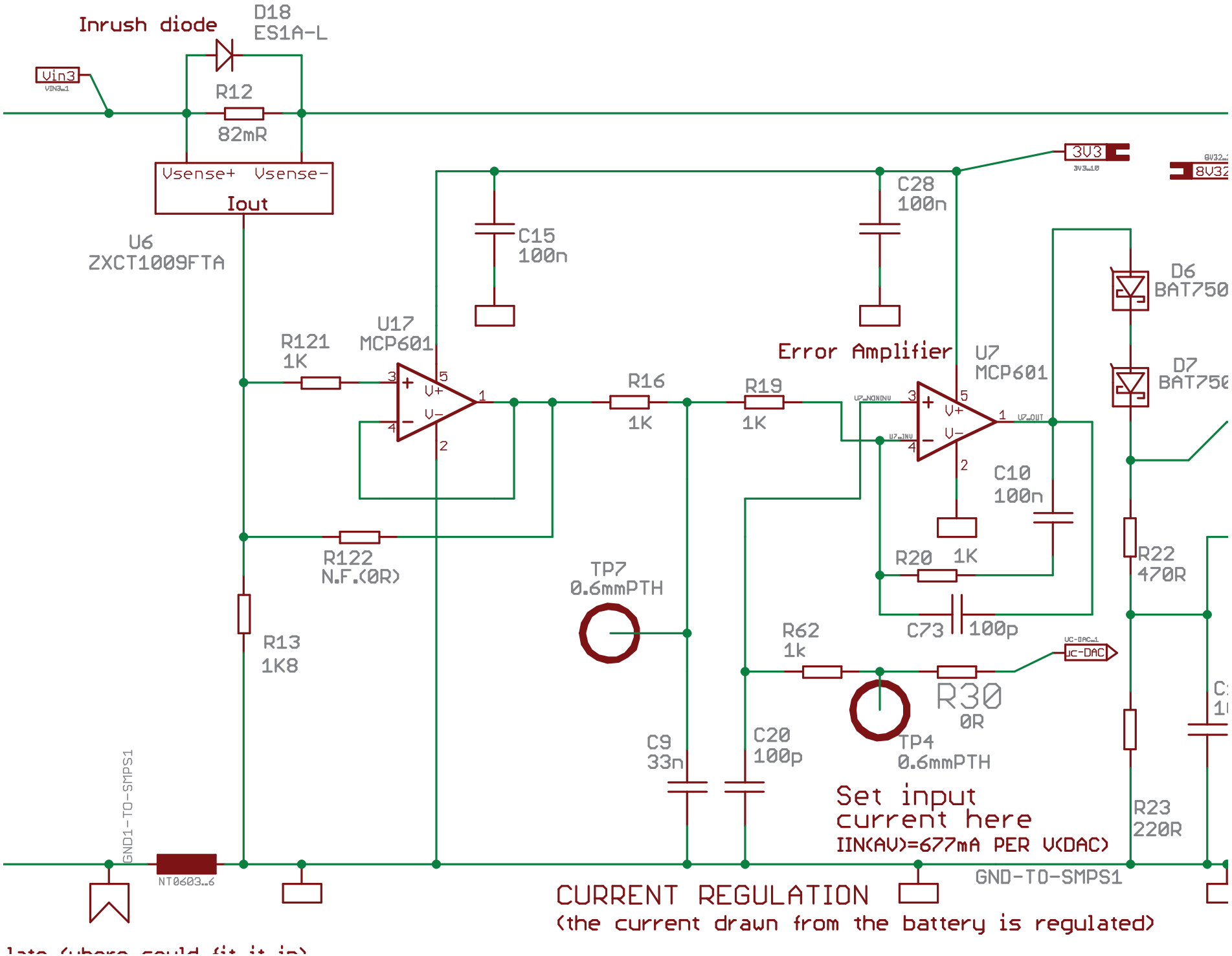
Inrush diode
D18
ES1A-L
Vin3
R12
82mR
Vsense+ Vsense-
Iout
U6
ZXCT1009FTA
C15
100n
C28
100n
3V3
D6
BAT750
D7
U17
MCP601
R121
1K
Error Amplifier
U7
MCP601
R16
1K
R19
1K
C10
100n
R20 1K
R22
470R
R122
N.F.(0R)
TP7
0.6mmPTH
C73 100p
R62
1k
DC-DAC
R30
0R
R13
1K8
C9
33n
C20
100p
TP4
0.6mmPTH
Set input
current here
IIN(AV)=677mA PER V(DAC)
R23
220R
GND1-TO-SMPS1
NT0603..6
GND-TO-SMPS1
CURRENT REGULATION
(the current drawn from the battery is regulated)