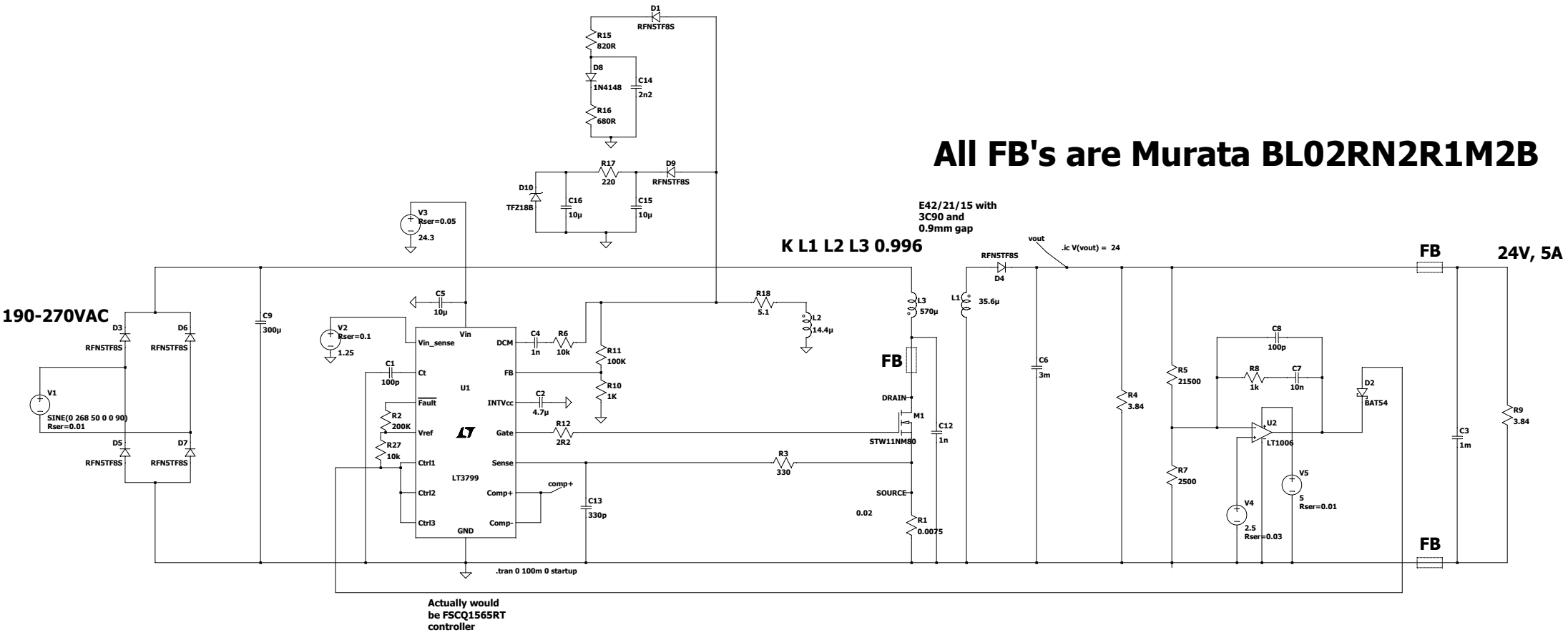
All FB's are Murata BL02RN2R1M2B
190-270VAC
K L1 L2 L3 0.996
E42/21/15 with
3C90 and
0.9mm gap
24V, 5A
FB
FB
FB
vout
.ic V(vout) = 24
SINE(0 268 50 0 0 90)
Rser=0.01
V1
D3
D6
D5
D7
RFN5TF8S
C9
300µ
V2
Rser=0.1
1.25
V3
Rser=0.05
24.3
C5
10µ
C1
100p
R2
200K
R27
10k
U1
LT3799
Vin_sense
Vin
Ct
Fault
Vref
Ctrl1
Ctrl2
Ctrl3
GND
DCM
FB
INTVcc
Gate
Sense
Comp+
Comp-
C4
1n
R6
10k
R11
100K
R10
1K
C2
4.7µ
R12
2R2
C13
330p
comp+
R18
5.1
L2
14.4µ
L3
570µ
L1
35.6µ
DRAIN
SOURCE
M1
STW11NM80
C12
1n
R3
330
R1
0.0075
0.02
D1
RFN5TF8S
R15
820R
D8
1N4148
C14
2n2
R16
680R
R17
220
D9
RFN5TF8S
D10
TFZ18B
C16
10µ
C15
10µ
D4
RFN5TF8S
C6
3m
R4
3.84
R5
21500
R7
2500
C8
100p
R8
1k
C7
10n
D2
BAT54
U2
LT1006
V4
2.5
Rser=0.03
V5
5
Rser=0.01
C3
1m
R9
3.84
.tran 0 100m 0 startup
Actually would
be FSCQ1565RT
controller