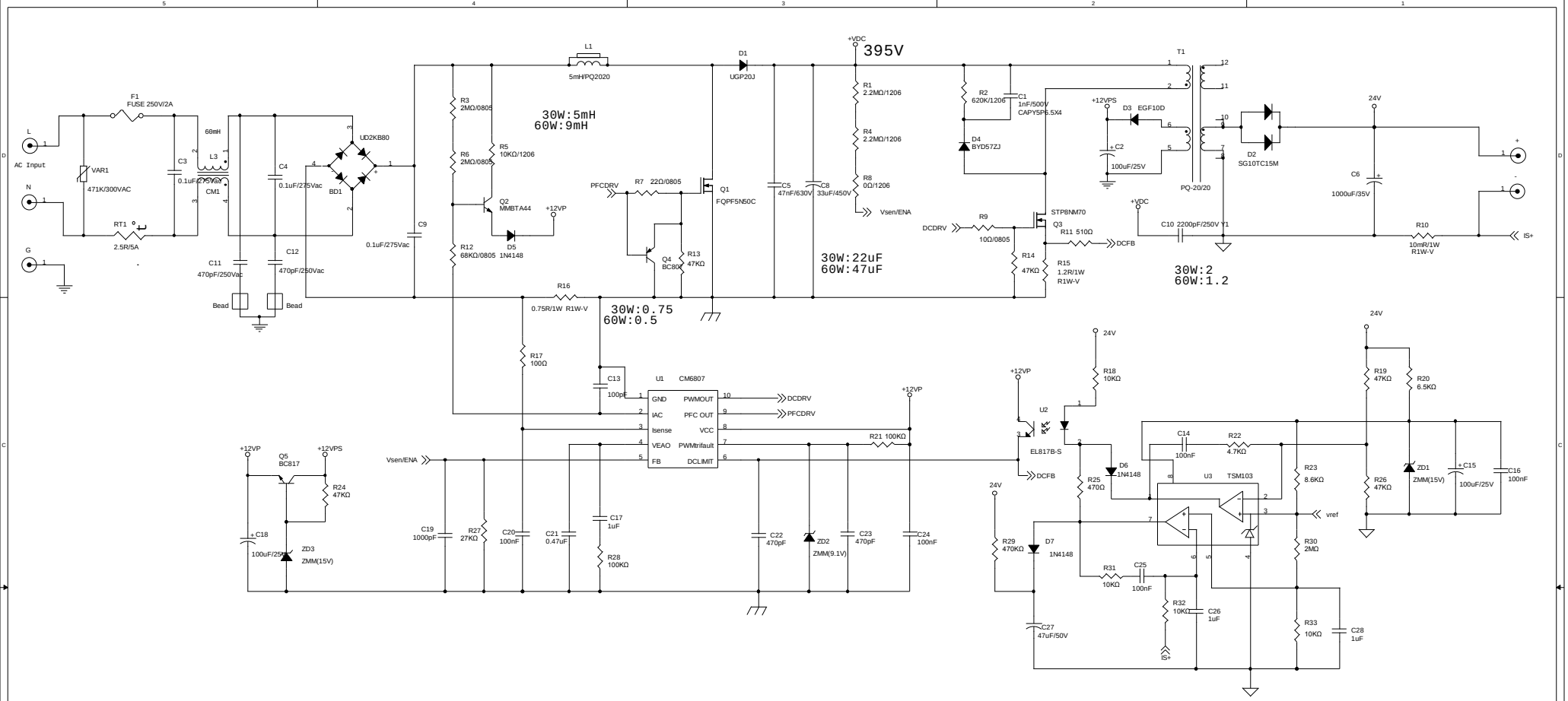
395V
+VDC
L1
5mH/PQ2020
D1
UGP20J
F1
FUSE 250V/2A
AC Input
VAR1
471K/300VAC
RT1
2.5R/5A
C3
0.1uF/275Vac
C4
0.1uF/275Vac
CM1
BD1
UD2KB80
C9
0.1uF/275Vac
C11
470pF/250Vac
C12
470pF/250Vac
Bead
Bead
R3
2MΩ/0805
R5
10KΩ/1206
R6
2MΩ/0805
R12
68KΩ/0805
D5
1N4148
+12VP
Q2
MMBTA44
30W:5mH
60W:9mH
PFCDRV
R7 22Ω/0805
Q1
FQPF5N50C
Q4
BC808
R13
47KΩ
R16
0.75R/1W R1W-V
30W:0.75
60W:0.5
R1
2.2MΩ/1206
R4
2.2MΩ/1206
R8
0Ω/1206
Vsen/ENA
C5
47nF/630V
C8
33uF/450V
30W:22uF
60W:47uF
R2
620K/1206
C1
1nF/500V
CAPY5P6.5X4
D4
BYD57ZJ
T1
PQ-20/20
+12VPS
D3 EGF10D
C2
100uF/25V
D2
SG10TC15M
24V
C6
1000uF/35V
R10
10mR/1W
R1W-V
IS+
+VDC
C10 2200pF/250V Y1
R9
10Ω/0805
STP8NM70
Q3
R11 510Ω
DCFB
R14
47KΩ
R15
1.2R/1W
R1W-V
30W:2
60W:1.2
R17
100Ω
C13
100pF
U1 CM6807
GND
IAC
Isense
VEAO
FB
PWMOUT
PFC OUT
VCC
PWMtrifault
DCLIMIT
DCDRV
PFCDRV
R21 100KΩ
+12VP
Vsen/ENA
Q5
BC817
+12VPS
R24
47KΩ
C18
100uF/25V
ZD3
ZMM(15V)
C19
1000pF
R27
27KΩ
C20
100nF
C21
0.47uF
C17
1uF
R28
100KΩ
C22
470pF
ZD2
ZMM(9.1V)
C23
470pF
C24
100nF
U2
EL817B-S
R18
10KΩ
D6
1N4148
R25
470Ω
C14
100nF
R22
4.7KΩ
U3 TSM103
R23
8.6KΩ
R26
47KΩ
R19
47KΩ
R20
6.5KΩ
ZD1
ZMM(15V)
C15
100uF/25V
C16
100nF
vref
R29
470KΩ
D7
1N4148
R30
2MΩ
R31
10KΩ
C25
100nF
R32
10KΩ
C26
1uF
C27
47uF/50V
R33
10KΩ
C28
1uF