R20
10.0k

R21
10.0k

R10
100k

GND

VREG

VIN

R3
249k

R2
100k

R6
200k

U1
TPS53515RVE

24  VO
25  TRIP
26  NC
27  GND1
28  GND2

23  FB
     PAD
22  GND
21  MODE
20  VREG
19  VDD
18  NC
17  VIN
16  VIN
15  VIN

RF      1
PGOOD   2
EN      3
VBST    4
NC      5
SW      6
SW      7
SW      8
SW      9

PGood

R12
150k

VREG

C7
0.1µF

R4
100k

R1
100k

GND

PGood

L1
IHLP2525CZERR68M01
680nH

VOUT - 1.2V@12A

VIN - 11V to 15V

VIN

14  PGND
13  PGND
12  PGND
11  PGND
10  PGND

C3
10µF

C4
10µF

C18
4.7µF

C20
4.7µF

C5
2200pF

C8
470pF

R9
3.01

C6
100µF

C10
100µF

C11
100µF

C12
100µF

C13
100µF

C14
100µF

C19
100µF

VOUT

GND