Q3
60 V

Q4
25 V

R1
0.005 Ω

L1
1.0 µH

Q1
60 V

INTVCC

D1
100.0 V

C2
100 nF

INTVCC

D2
100.0 V

Q2
25 V

GND

GND

U1
ADPL76030EUFD-PBF

LSP LSN

28 SW1   SW2 23
27 BST1   BST2 24
26 BG1   BG2 25
1 TG1   TG2 22
4 VIN   VOUT 21

C3
100 nF

VOUT

J1
FW-04-03-G-D-150-160

TP3   VIN   1   2   VIN
TP4   VIN   3   4
TP1   5   6
TP2   7   8

GND   300 mill   GND

C11
4.7 µF

C10
4.7 µF

C4
100 nF

C7
100 nF

R5
383 kΩ

EN/UVLO

6 EN/UVLO

R6
165 kΩ

GND

GND   GND   GND   GND

R9
10 Ω

C14
100 nF

C15
100 nF

C1
22 µF

C5
22 µF

VOUT

11 ISP
12 ISN

C17
1 µF

R4
0.01 Ω

R10
10 Ω

GND   GND   GND   GND

R8
232 kΩ

C6
100 nF

C16
22 µF

V_OUT

J2
CLP-104-02-G-D-BE

7   8   V_OUT   TP6
5   6   V_OUT   TP5
3   4   TP7
1   2   TP8

GND   300 mill   GND

13 ISMON
8 TEST2
9 VREF

VREF

16 FB   FB
19 SYNC/SPRD   SYNC/SPRD
5 INTVCC   INTVCC

C13
470 nF

GND

R12
124 kΩ

R11
100 kΩ

C8
4.7 µF

JP1

GND

R7
10 Ω

GND

CTRL

10 CTRL

R13
75 kΩ

SS

15 SS

C12
22 nF

GND

TEST1
7   29 GND

14 PGOOD   PGOOD

VC
17 VC

R3
10 kΩ

18 RT   RT

C9
2.2 nF

GND

GND

100 kΩ
R2

GND   GND