10V Excitation

+10V

5V Excitation

+5V

Power Regulation

Li-Po Battery
BT1

GND   V_Bat

GND

Buck_Convertor1
TPS62130

VCC
+3V3

Analog Supply
+5V5

D4
D_Schottky

4.7 uH L3

C9
10uF

R8
17 kΩ

R9
10 kΩ

GND

GND

U1
TPS61170

3 SW   VIN 1
6 FB   CTRL 2
4 GND   COMP 5

GND

C8
10uF

GND

C11
10uF

R10
3.57 kΩ

R11
10.0 kΩ

GND

U3
TPS61099

6 VOUT   SW   3
6 FB   VIN 2
4 GND   EN   1

GND

4.7uH
L

C10
10uF

GND

C23
10uF

C25
0.1uF

GND

GND

13 EN   VIN 10
9   SS/TR   SW   1
8   DEF   VOS   14
7   FSW   PG   4
              FB   5

6 GND

GND

L5
2.2uH

R24

301 kΩ

R25
10 kΩ

GND

C27
10uF

GND

D5   D_Schottky

4.7 uH
L4

C24
10uF

GND

U10
TPS61089

11 SW   VOUT 6
10 BOOT   FB   3
1   FSW   COMP 4
9   VIN   ILIM 8
7   EN   VCC 2

5 GND

GND

C26
C

GND

R22
4.87 kΩ

R23
10 kΩ

GND