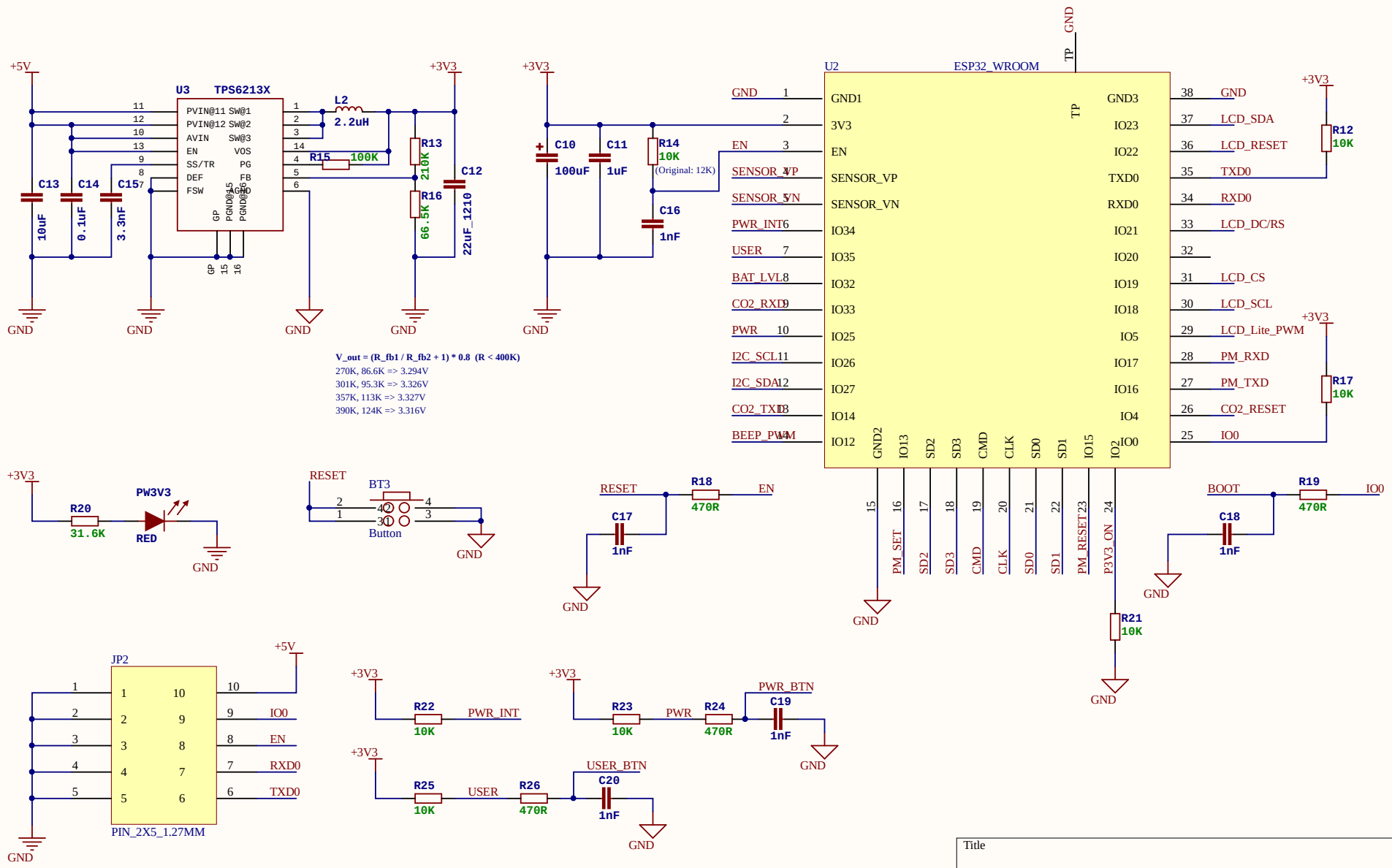


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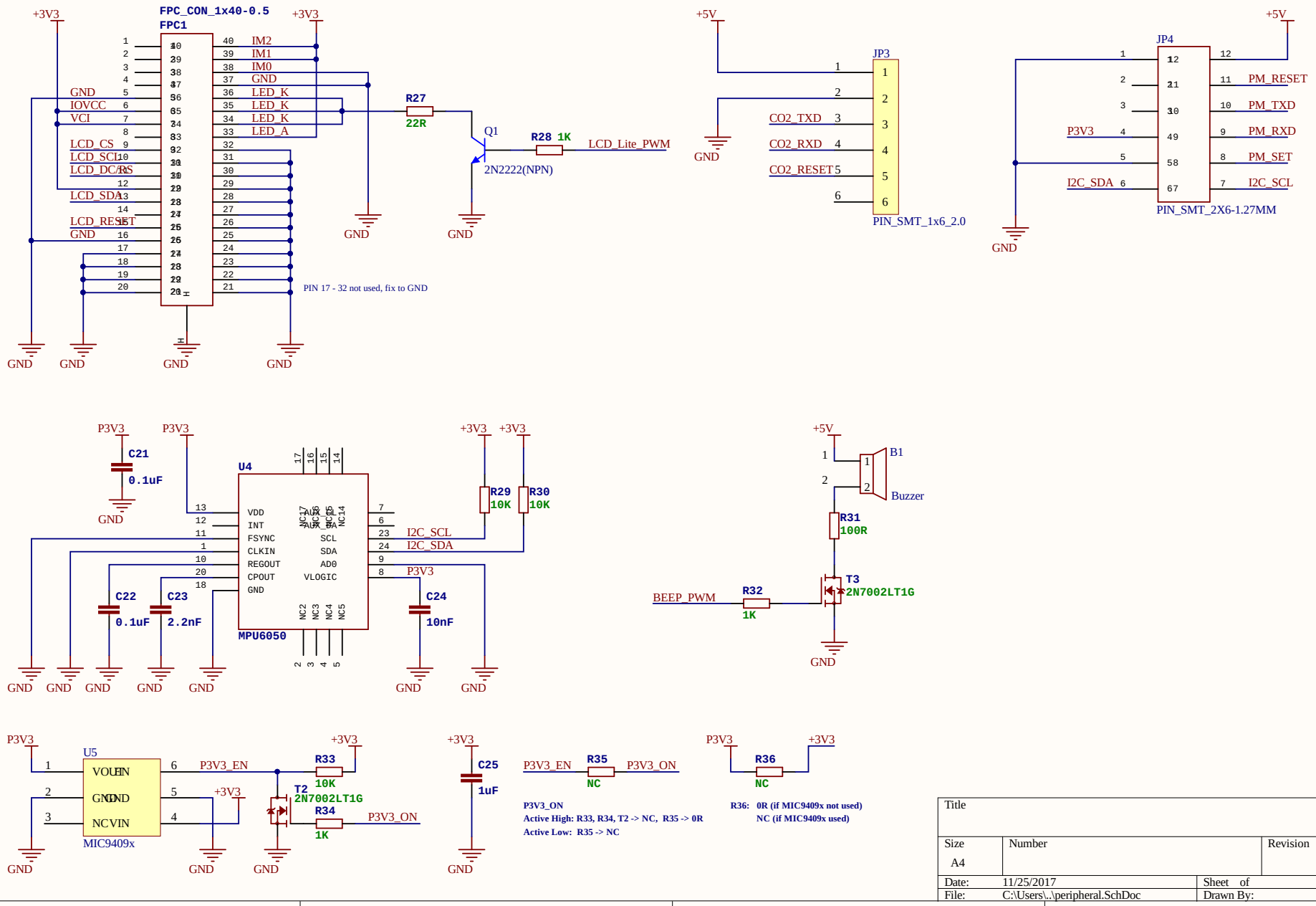
| Date: 11/25/2017 | | Sheet of |
| File: C:\Users\..\main.SchDoc | | Drawn By: |


FPC_CON_1x40-0.5
FPC1
+3V3
GND
IOVCC
VCI
LCD_CS
LCD_SCL
LCD_DC/RS
LCD_SDA
LCD_RESET
IM2
IM1
IM0
LED_K
LED_A
R27
22R
Q1
2N2222(NPN)
R28 1K
LCD_Lite_PWM
PIN 17 - 32 not used, fix to GND
+5V
JP3
CO2_TXD
CO2_RXD
CO2_RESET
PIN_SMT_1x6_2.0
JP4
P3V3
I2C_SDA
PM_RESET
PM_TXD
PM_RXD
PM_SET
I2C_SCL
PIN_SMT_2X6-1.27MM
C21
0.1uF
U4
VDD
INT
FSYNC
CLKIN
REGOUT
CPOUT
GND
SCL
SDA
AD0
VLOGIC
MPU6050
R29
10K
R30
10K
I2C_SCL
I2C_SDA
C22
0.1uF
C23
2.2nF
C24
10nF
B1
Buzzer
R31
100R
T3
2N7002LT1G
BEEP_PWM
R32
1K
U5
VOUT
VIN
MIC9409x
P3V3_EN
R33
10K
T2
2N7002LT1G
R34
1K
P3V3_ON
C25
1uF
R35
NC
R36
NC
P3V3_ON
Active High: R33, R34, T2 -> NC, R35 -> 0R
Active Low: R35 -> NC
R36: 0R (if MIC9409x not used)
NC (if MIC9409x used)
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Revision
Date: 11/25/2017
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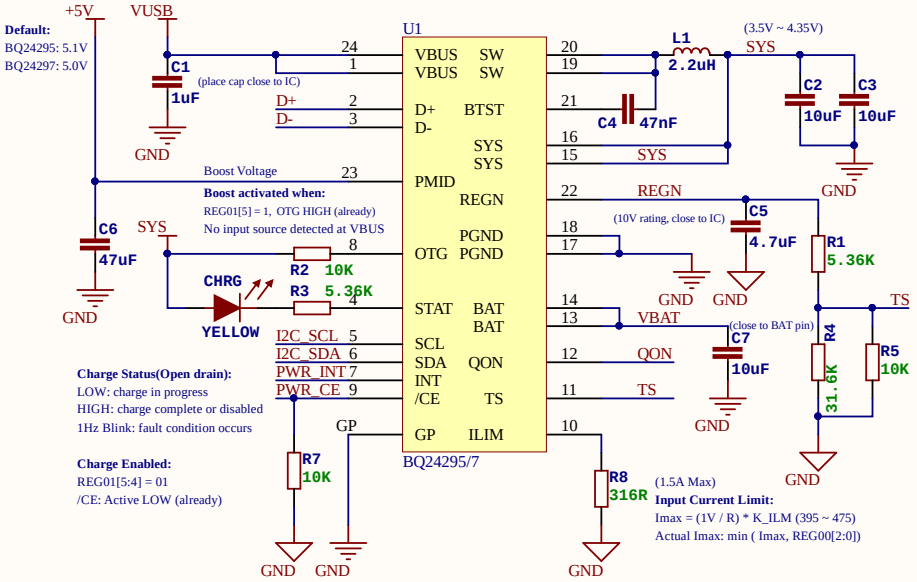
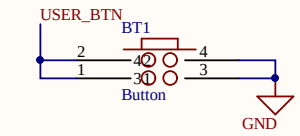
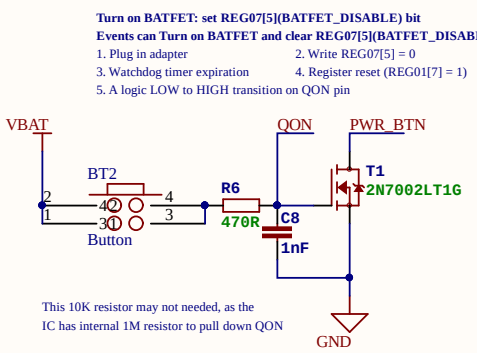
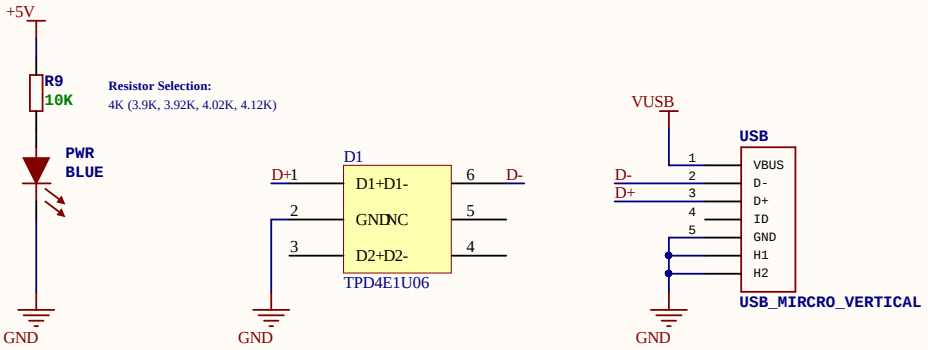
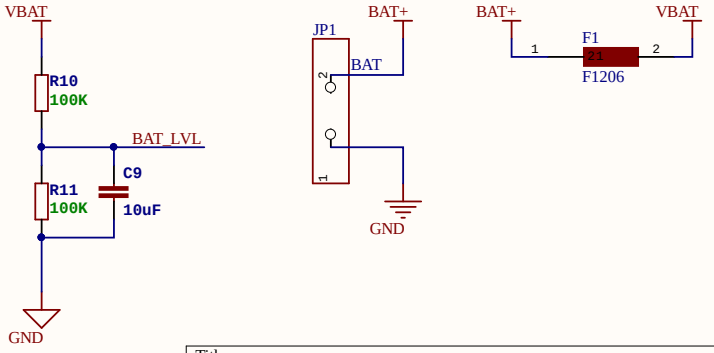



Boost:
During boost mode, the status register REG08[7:6] is set to 11.
The device provides adjustable boost voltage from 4.55 V to 5.5 V
by changing BOOSTV bits in REG06[7:4].

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| Date: 11/25/2017 | | Sheet of |
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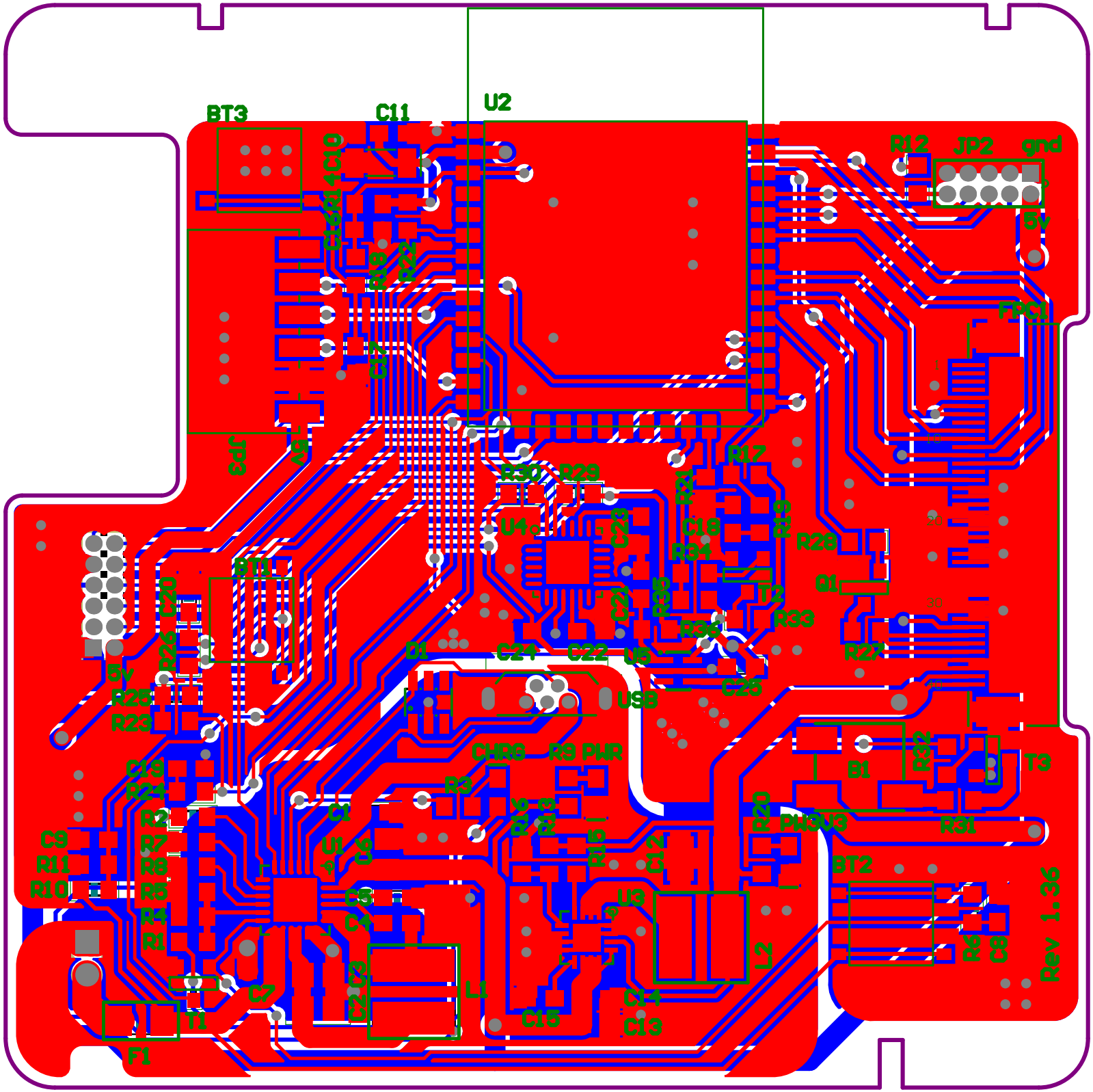
BT3
C11
U2
R12
JP2
gnd
5v
FPC1
R17
R30
R29
U4
C18
R31
R28
Q1
R33
R34
C24
C22
U5
C25
USB
R25
R23
CHRG
R9
PWR
R3
B1
T3
R31
PWR
U3
BT2
C9
R11
R10
R7
R8
R5
R4
R1
U1
C3
C4
C7
C2
L1
C15
C14
C13
F1
Rev 1.36