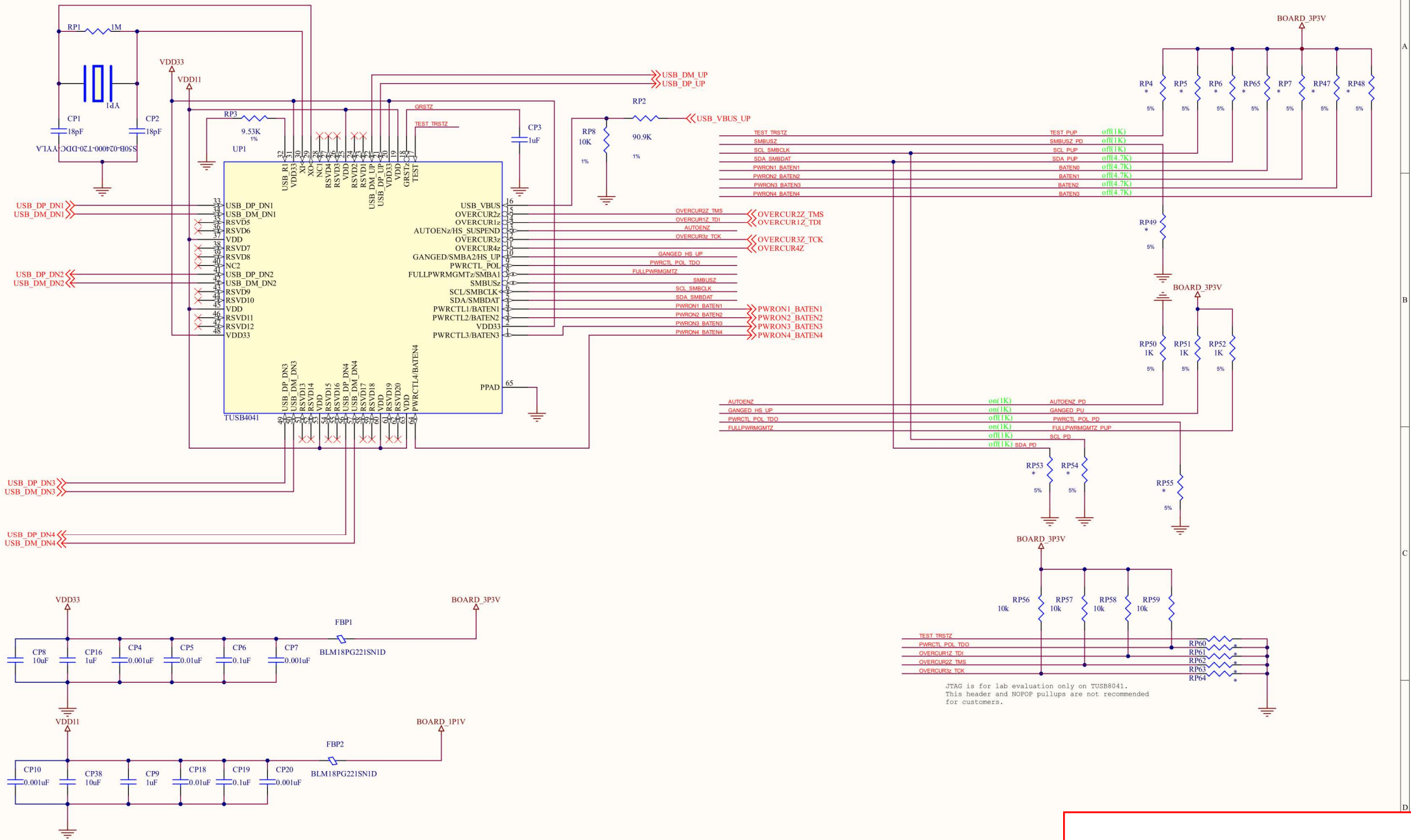
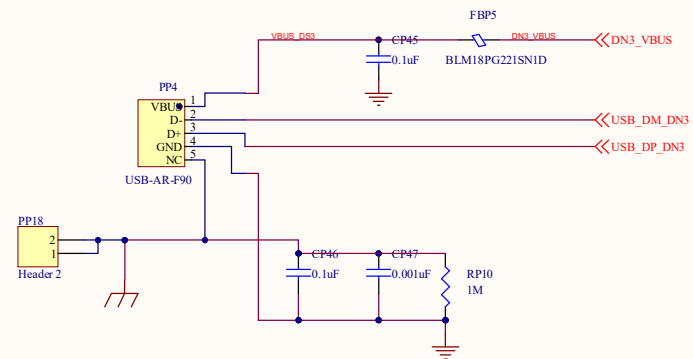
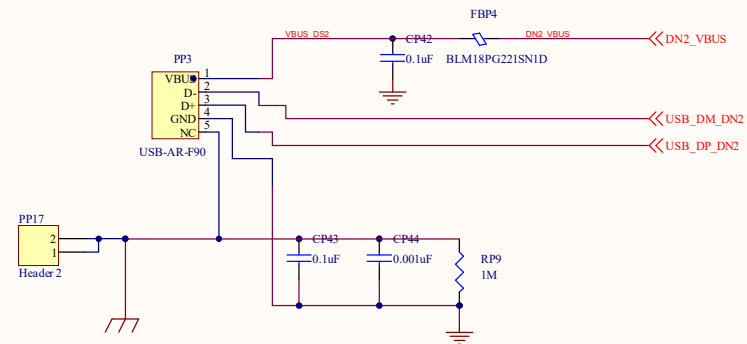
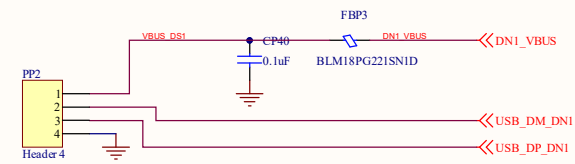
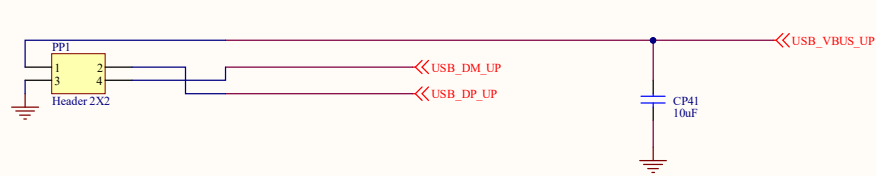


USB HUB SoC



USB HUB Connect



USB HUB Power

3.3V REGULATOR

1.1V REGULATOR

DOWNSTREAM PORT POWER SWITCHES

3.3V REGULATOR

1.1V REGULATOR

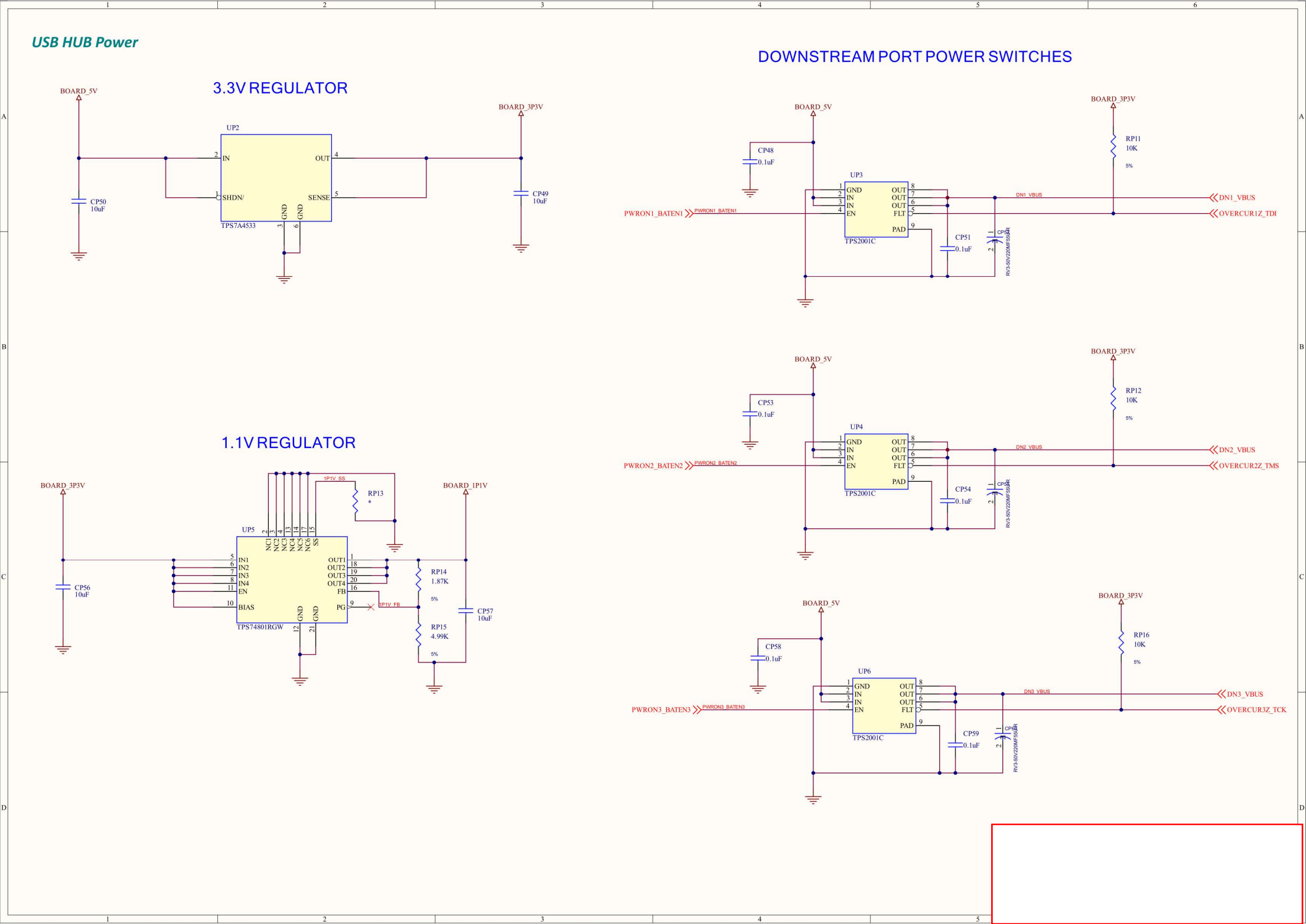
DOWNSTREAM PORT POWER SWITCHES

USB HUB Power

3.3V REGULATOR

1.1V REGULATOR

DOWNSTREAM PORT POWER SWITCHES

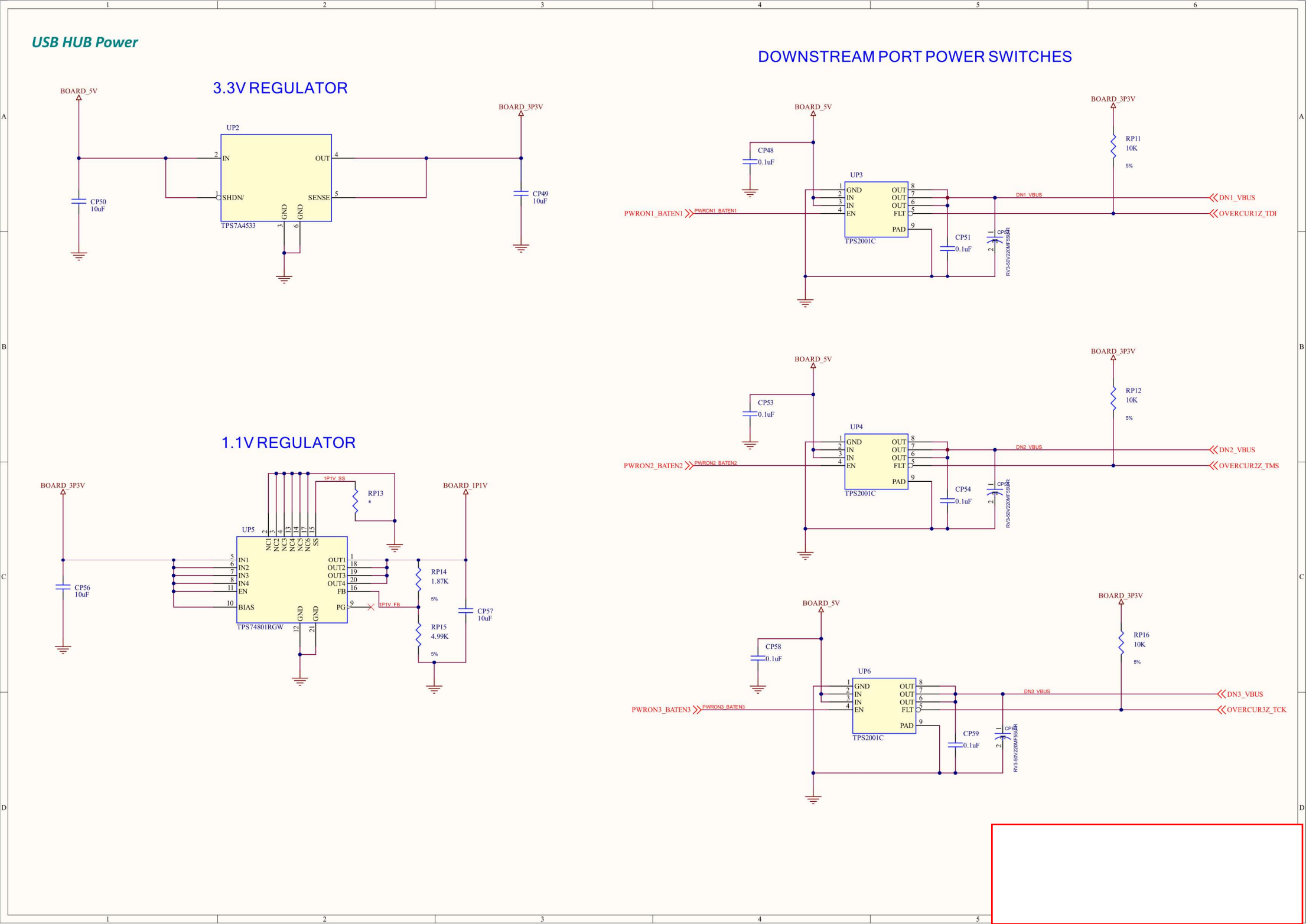


USB HUB Power

3.3V REGULATOR

1.1V REGULATOR

DOWNSTREAM PORT POWER SWITCHES



USB HUB Power

3.3V REGULATOR

UP2: TPS7A4533

BOARD_5V → IN (2) → OUT (4) → BOARD_3P3V

SHDN/ (1) → GND

SENSE (5) → GND

CP50: 10uF

CP49: 10uF

1.1V REGULATOR

UP5: TPS74801RGW

BOARD_3P3V → IN1 (5) → OUT1 (18) → BOARD_1P1V

IN2 (6) → IN3 (7) → IN4 (8) → EN (11) → BIAS (10) → GND

PG (9) → RP15 (4.99K) → GND

RP14 (1.87K) → OUT2 (19) → OUT3 (20) → FB (16) → RP13 (1P1V_SS) → GND

CP56: 10uF

CP57: 10uF

DOWNSTREAM PORT POWER SWITCHES

UP3: TPS2001C

BOARD_5V → IN (2) → OUT (8) → DN1_VBUS

IN (3) → IN (4) → EN (4) → PAD (9) → GND

CP48: 0.1uF

CP51: 0.1uF

RP11: 10K

UP4: TPS2001C

BOARD_5V → IN (2) → OUT (8) → DN2_VBUS

IN (3) → IN (4) → EN (4) → PAD (9) → GND

CP53: 0.1uF

CP54: 0.1uF

RP12: 10K

UP6: TPS2001C

BOARD_5V → IN (2) → OUT (8) → DN3_VBUS

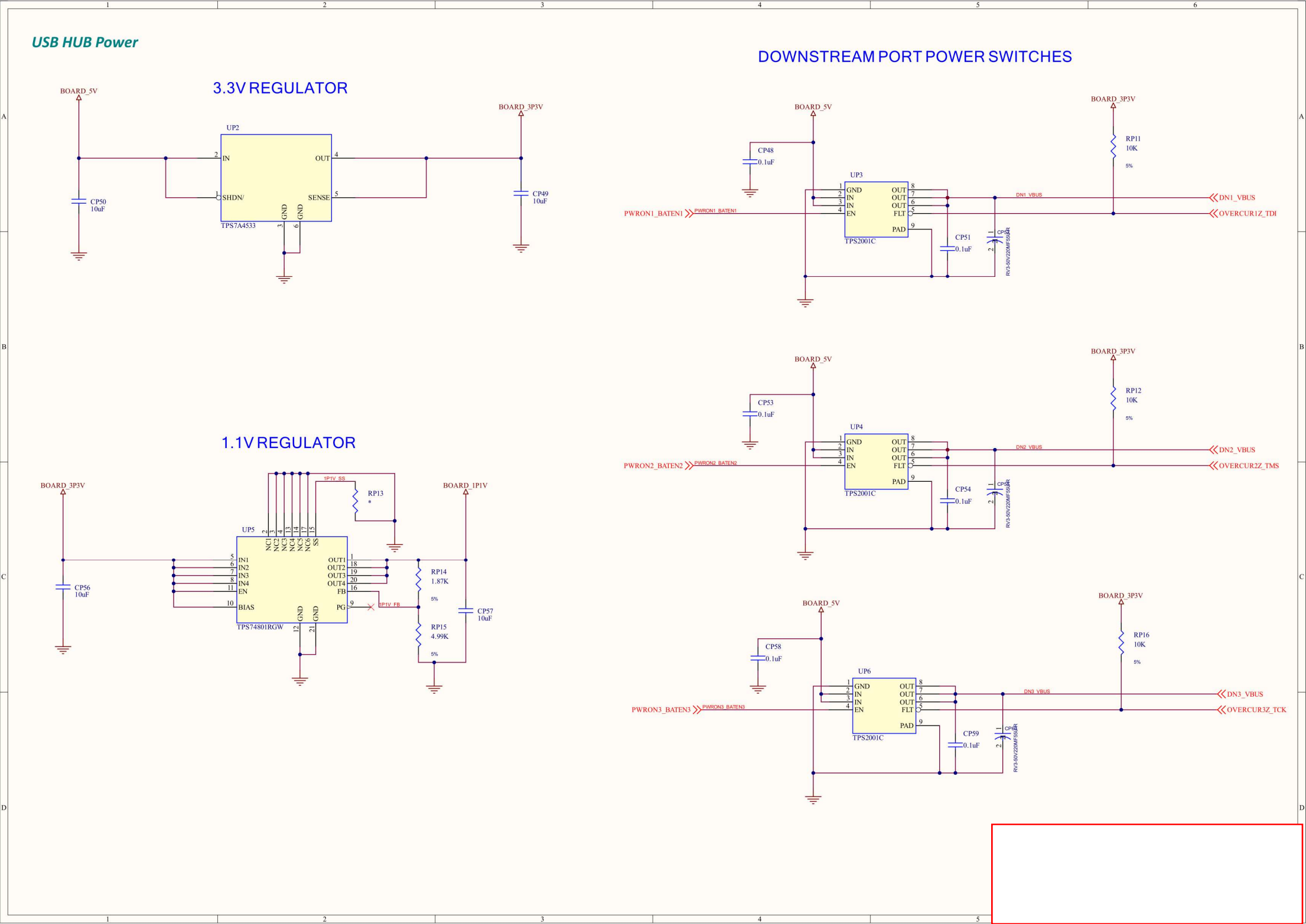
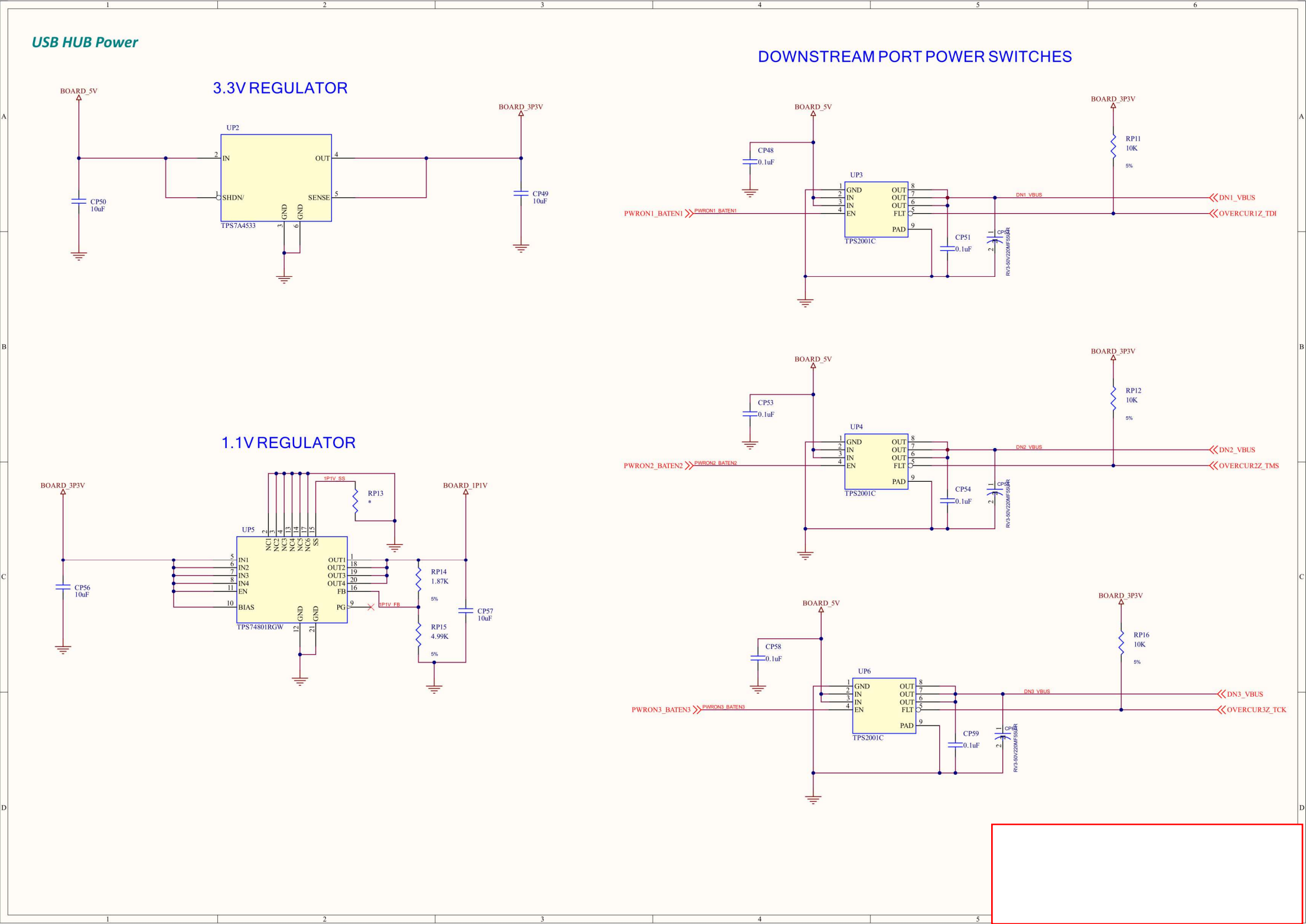
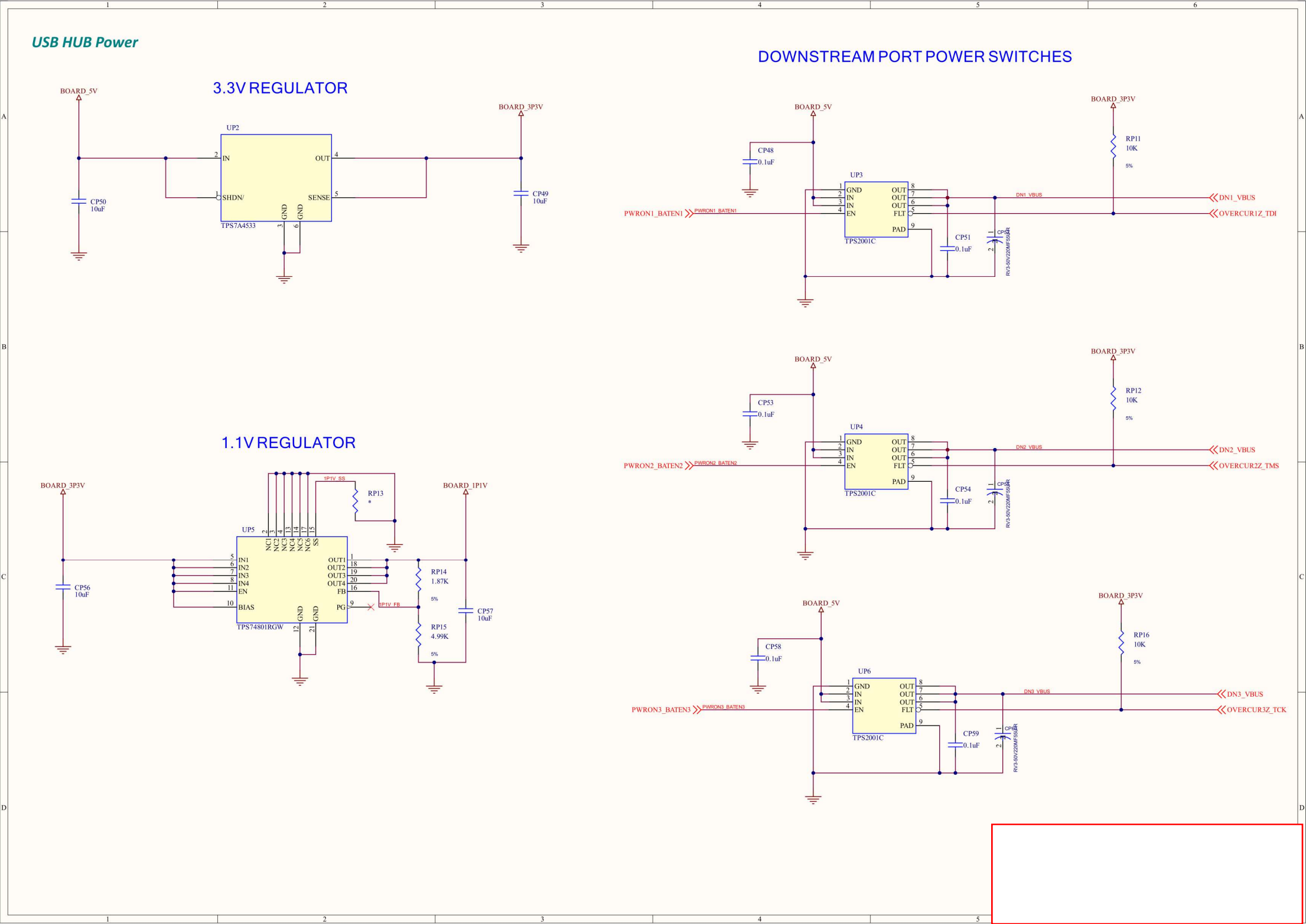
IN (3) → IN (4) → EN (4) → PAD (9) → GND

CP58: 0.1uF

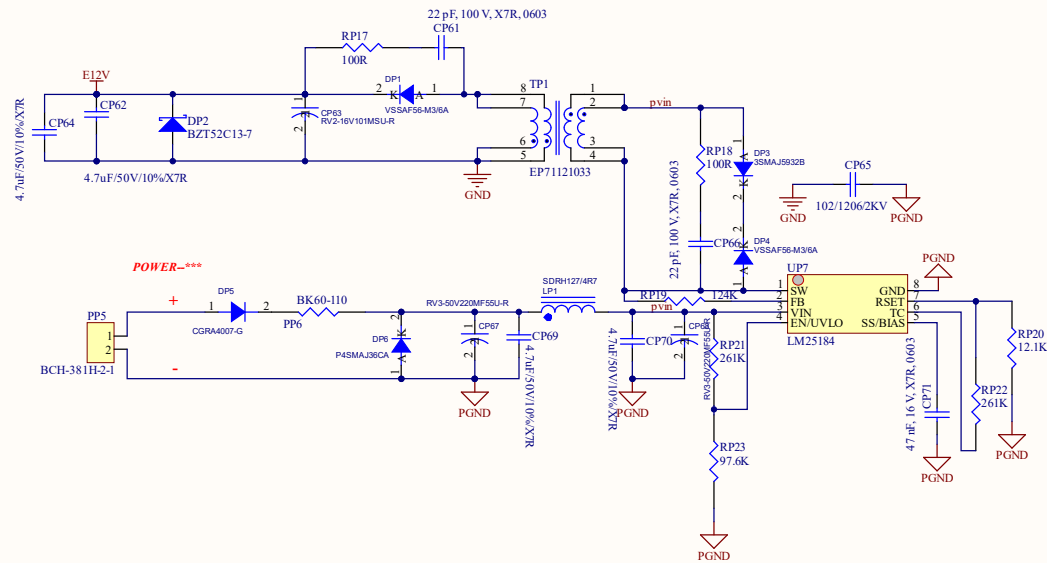
CP59: 0.1uF

RP16: 10K

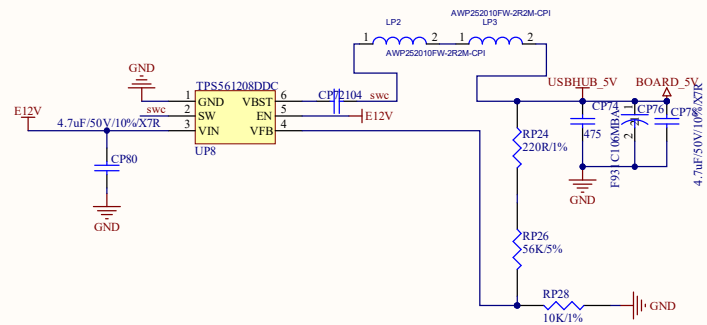
Signal traces: PWRON1_BATEN1, PWRON2_BATEN2, PWRON3_BATEN3



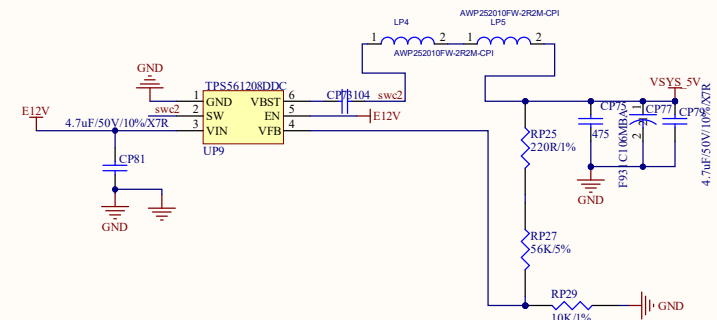
Main Power

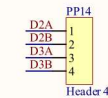
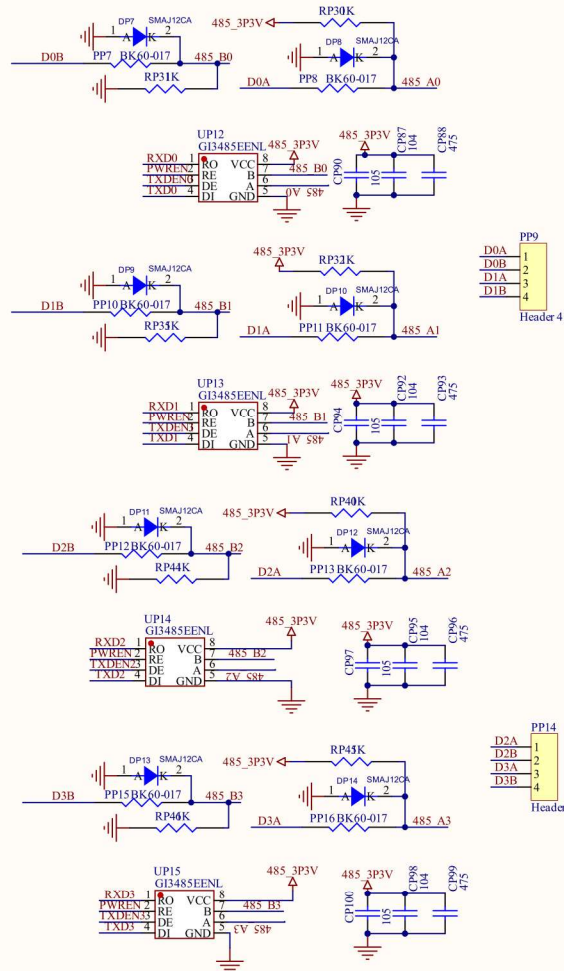
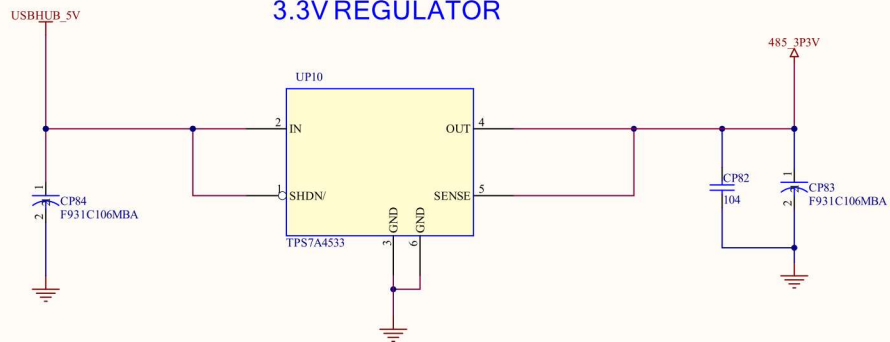


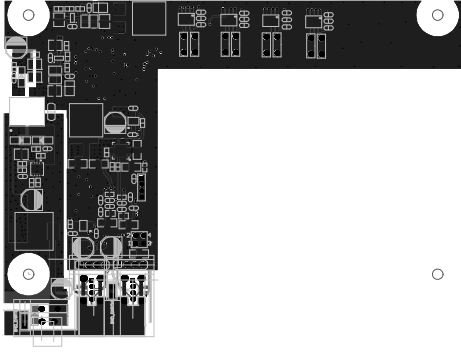
USB HUB +5V Power(5V/2A)



Soc Power(5V/2A)







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