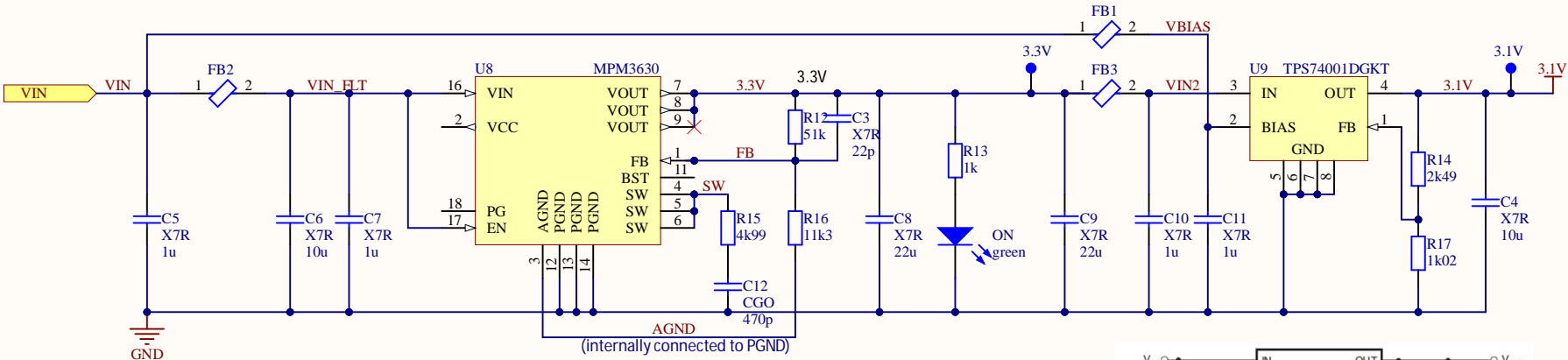




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$$R2 = \frac{R1}{\frac{V_{out}}{0.6V} - 1} \quad (2)$$

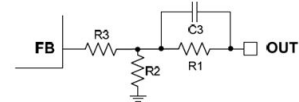
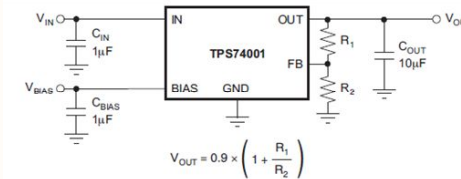


Figure 7: Feedback Network

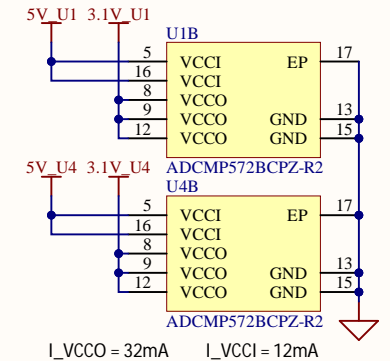
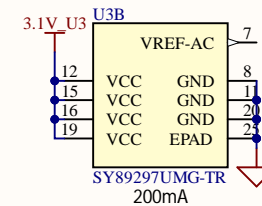
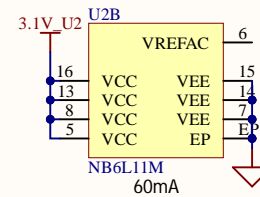
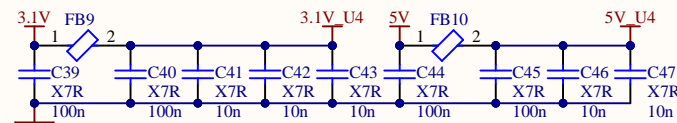
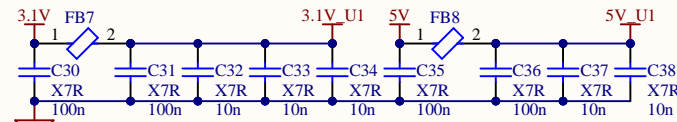
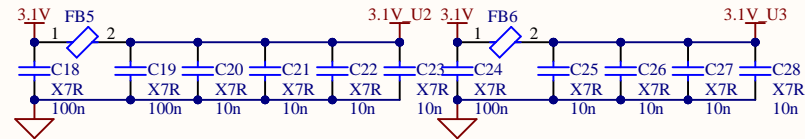
Table 1 lists the recommended resistor values for common output voltages.

Table 1: Resistor Selection for Common Output Voltages

V <sub>OUT</sub> (V)	R1 (kΩ)	R2 (kΩ)	R3 (kΩ)	C3 (pF)	C <sub>OUT</sub> (μF)
1.0	51	76.8	51		3x22
1.2	51	51	51		3x22
1.5	51	34	51		3x22
1.8	51	25.5	0	22	2x22
2.5	51	16	0		2x22
3.3	51	11.3	0		2x22
5	51	6.98	0		2x22



$$V_{OUT} = 0.9 \times \left( 1 + \frac{R1}{R2} \right)$$



Title: Power Supply

Project: Pulse Sampler

Date: 25/03/2022 Time: 12:04:57

File: Power.SchDoc

Drawn by: HK

Revision: 1.0

Sheet 2 of 2

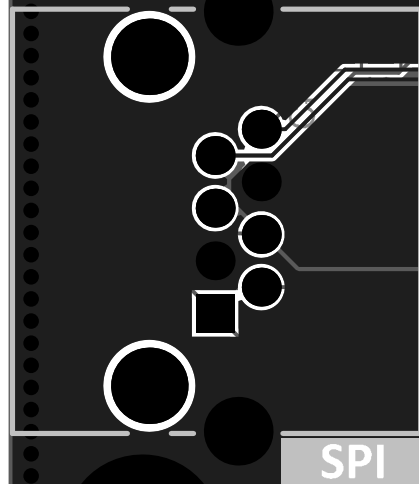


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**Embedded  
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**SPI**

**ON**

**TRG**

**GND**

**VTHR**

**COMP**

**PULSE**

3.3V

3.1V