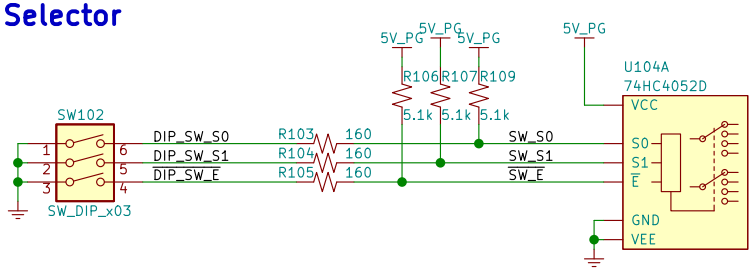
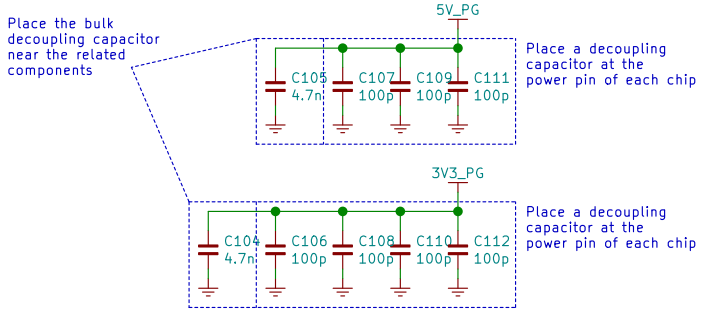
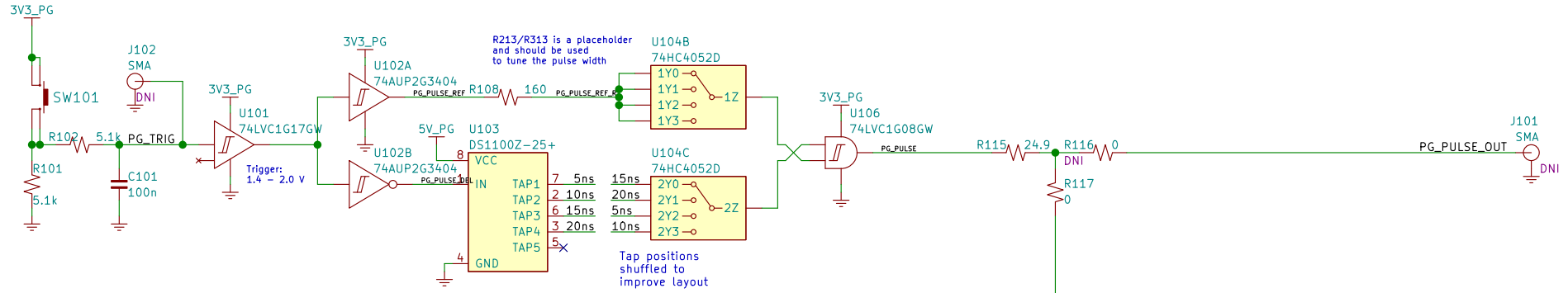
Pulse Width Selector

E	S1	S0	Output
0	0	0	nY0
0	0	1	nY1
0	1	0	nY2
0	1	1	nY3
1	x	x	none

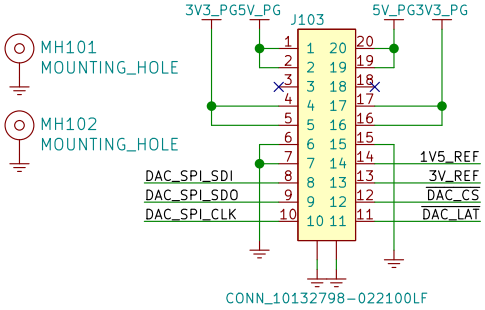




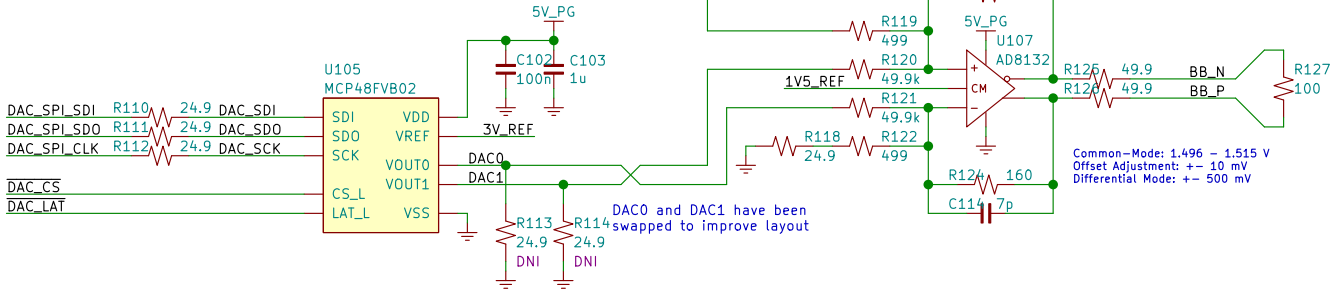
Pulse Generator



Connector



SE–Diff Converter



Power Consumption

5V_PG : 115 mA
3V3_PG : 250 mA

Given the power comsumption of this module is quite small, one could replace the connector with simpler means of supplying power and use a regulator from the 5V rail to produce the 3.3V.

For example, a USB connector could be used to power this circuit.

EDC

Sheet: /
File: PulseGenerator_Board.sch

Title: Pulse Generator

Size: A4	Date: 2022–11–14	**Rev: 1.0**
KiCad E.D.A. kicad (5.1.7)–1		Id: 1/1