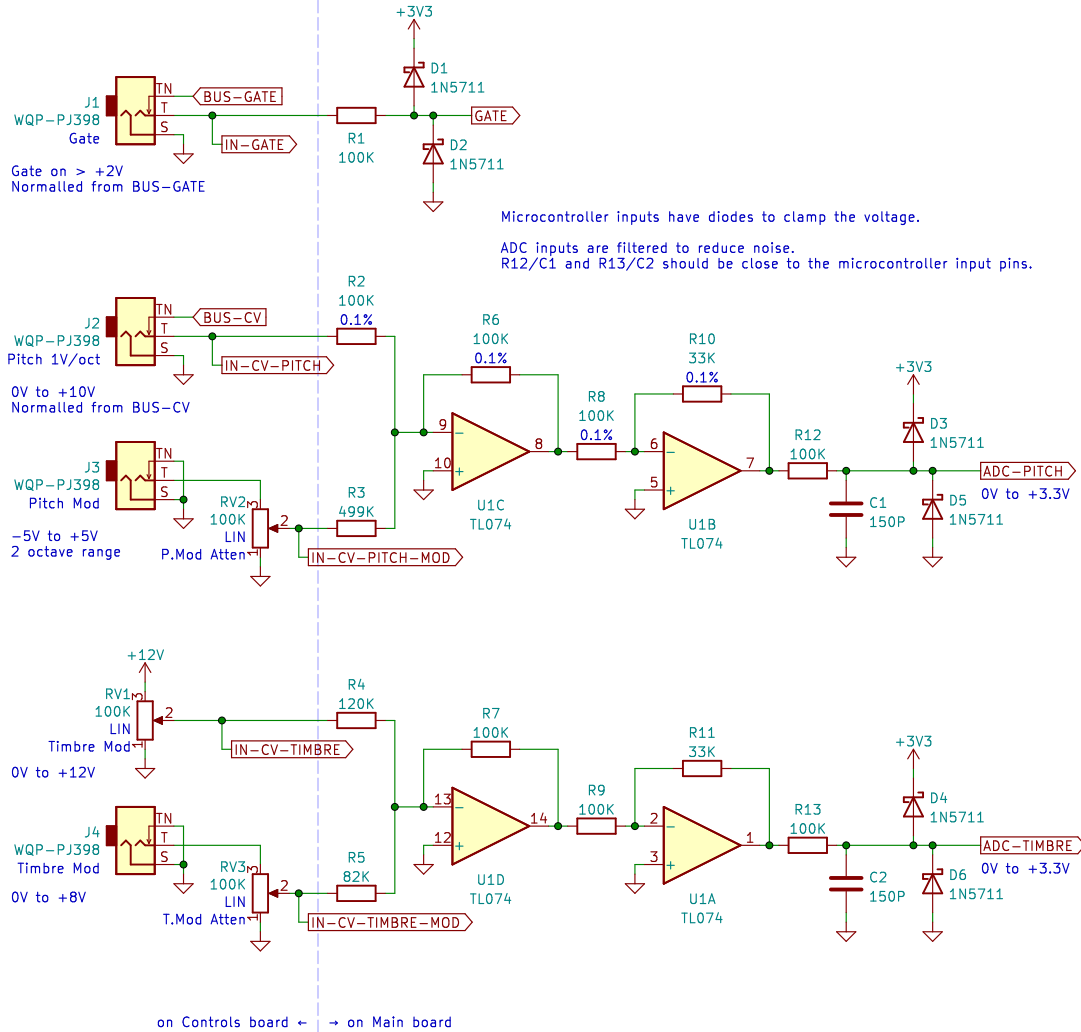
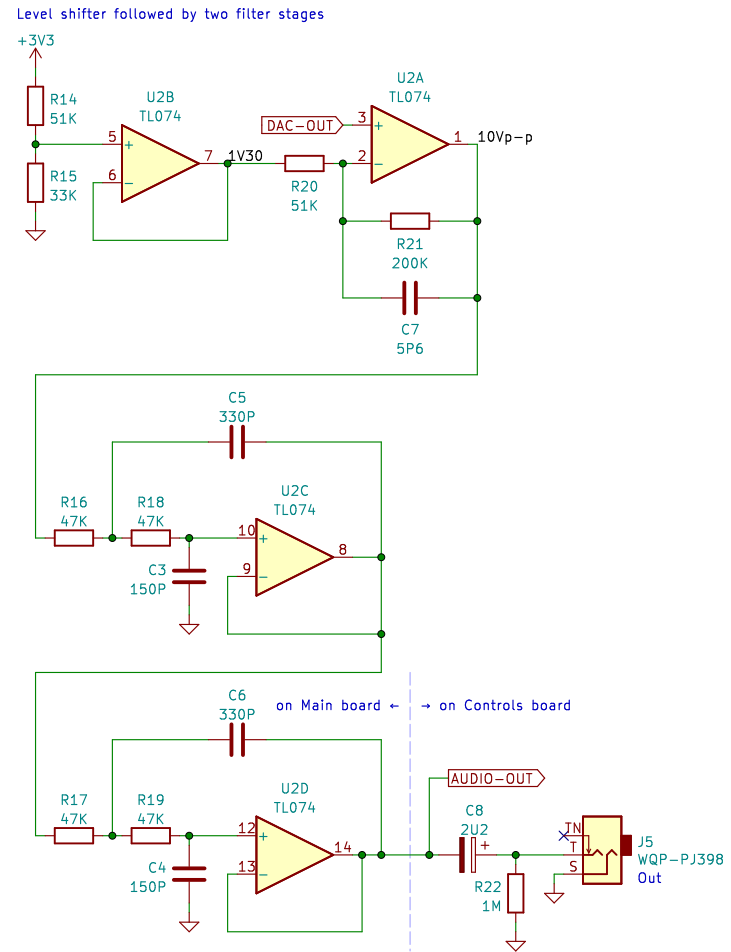


### Inputs



### Output



All fixed resistors are 1% tolerance unless otherwise specified.  
All electrolytic capacitors are rated for 25VDC unless otherwise specified.

This work is licensed under the Creative Commons Attribution 4.0 International License.  
To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/>  
or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.

Eurorack digital voice module – 10HP

Copyright © 2023 Len Popp CC BY

Len Popp

Sheet: /  
File: Dexy.kicad\_sch

**Title: Analog – Eurorack Dexy Module**

Size: A4 Date: 2023-04-22

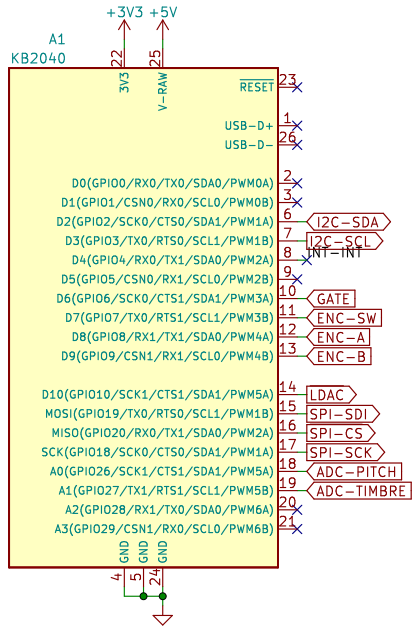
KiCad E.D.A. kicad 7.0.2

Rev: 1.0.1

Id: 1/2

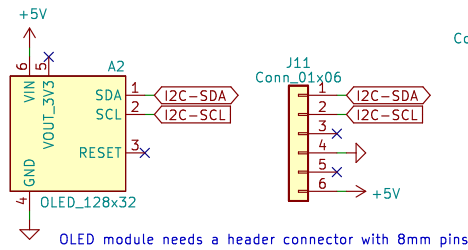


### Microcontroller module

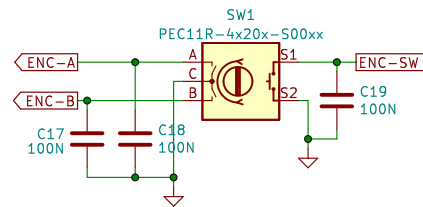


GPIO20 can be used for CS because MISO is not needed

### OLED display (I2C)

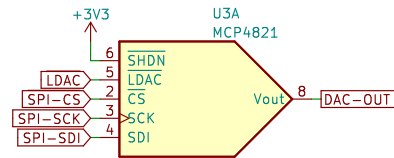


### Rotary encoder w/switch

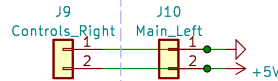
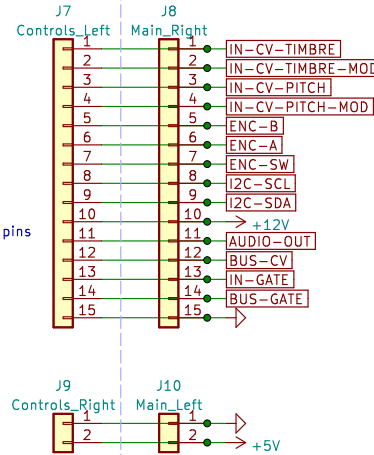


on Controls board

### DAC (SPI)



### Board Connectors



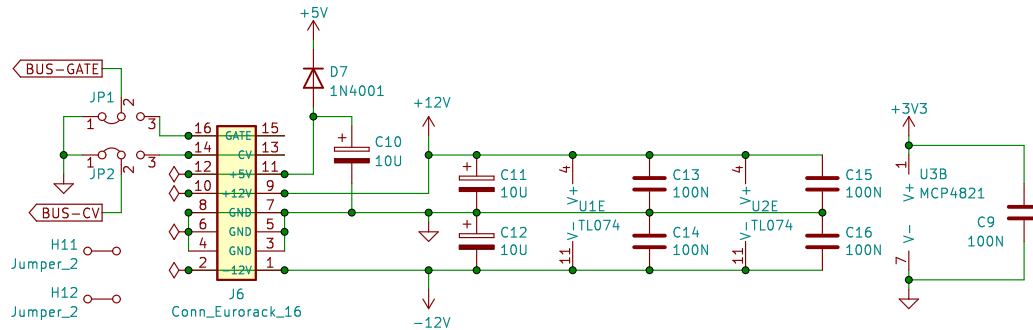
### Hardware

- HW\_Screw\_M3x0.50x6
- MountingHole\_M3
- HW\_Standoff\_F-F\_11mm\_M3x0.50
- MountingHole\_M3
- HW\_Screw\_M3x0.50x6
- HW\_Screw\_M3x0.50x6
- MountingHole\_M3
- HW\_Standoff\_F-F\_11mm\_M3x0.50
- MountingHole\_M3
- HW\_Screw\_M3x0.50x6
- x16 A3 Cable\_Eurorack\_16
- A4 USB C Adapter 90deg

### Eurorack Bus & Power Supply

+5V digital supply comes from either the Eurorack bus or the microcontroller's USB. Diode D7 prevents the microcontroller from being double-powered.

+3V3 digital supply comes from the microcontroller module.



All fixed resistors are 1% tolerance unless otherwise specified.  
All electrolytic capacitors are rated for 25VDC unless otherwise specified.

This work is licensed under the Creative Commons Attribution 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/> or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.

Eurorack digital voice module – 10HP  
Copyright © 2023 Len Popp CC BY

Len Popp

Sheet: /Digital/  
File: Digital.kicad\_sch

**Title: Digital & Misc – Eurorack Dexy Module**

Size: A4 | Date: 2023-04-22

KiCad E.D.A. kicad 7.0.2

Rev: 1.0.1

Id: 2/2

