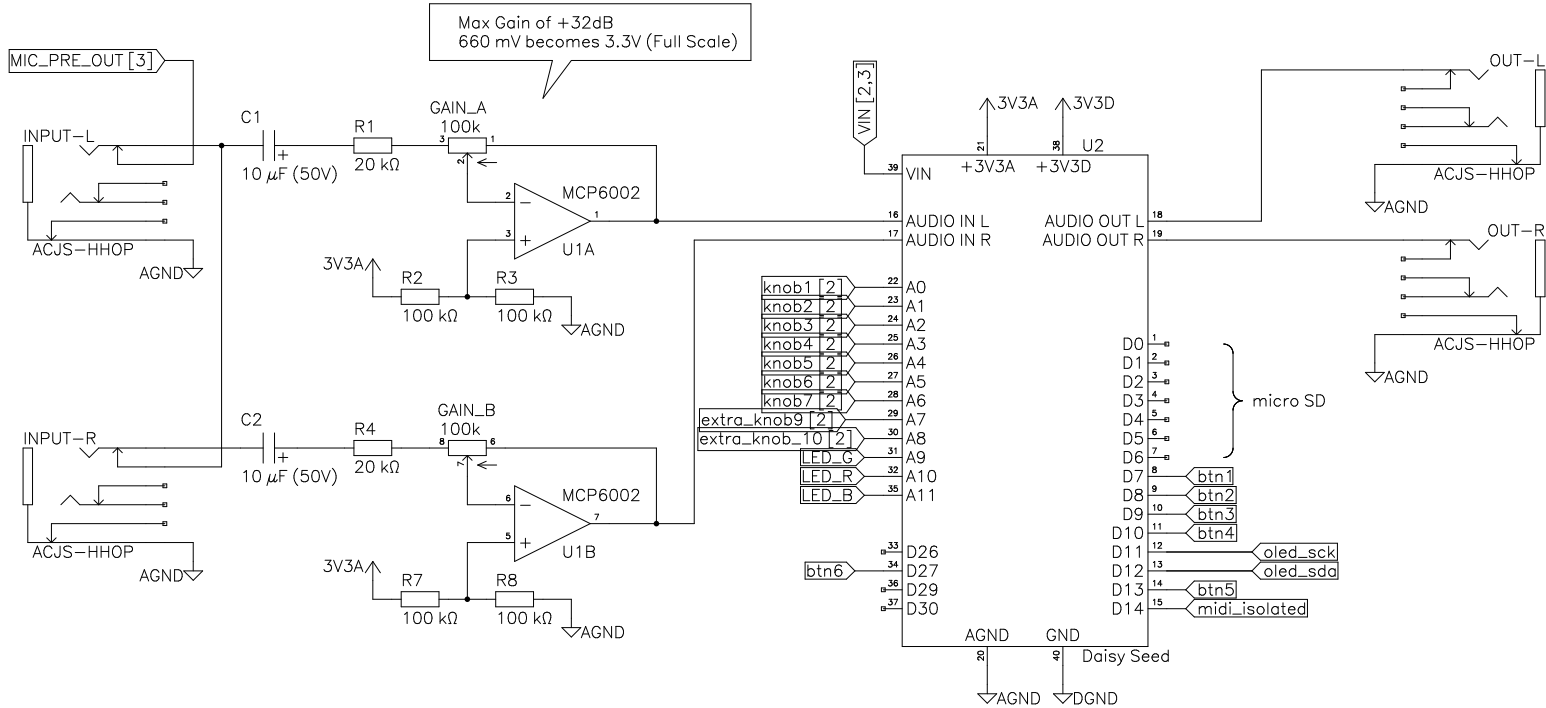
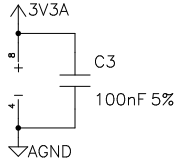


Audio I/O and Daisy Seed Board

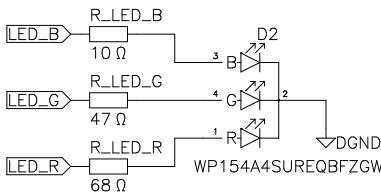


Max Gain of +32dB  
660 mV becomes 3.3V (Full Scale)

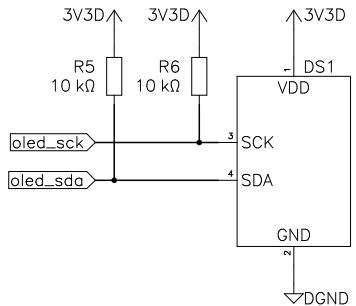
U1 Power



RGB LED

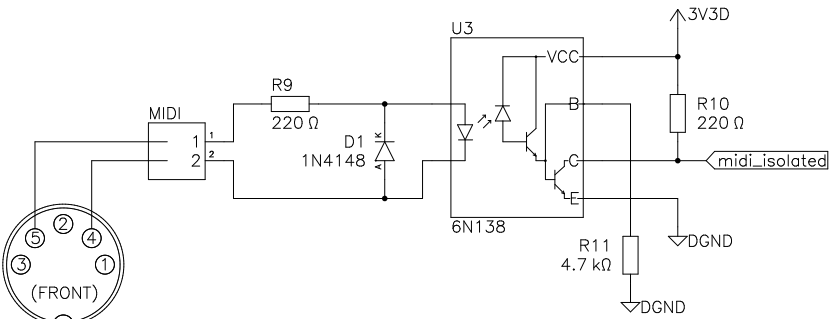


OLED Display

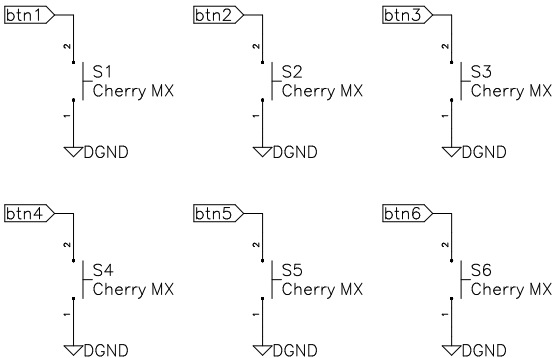


Generic I2C OLED Display (1.3")

MIDI Input



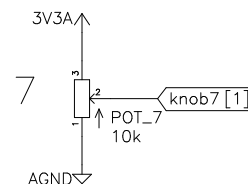
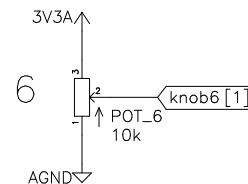
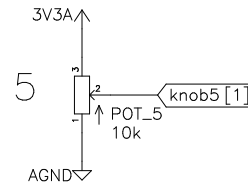
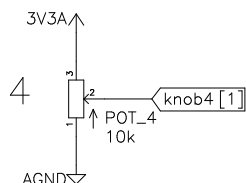
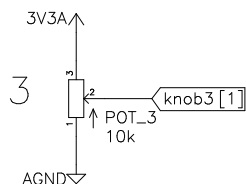
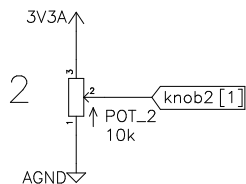
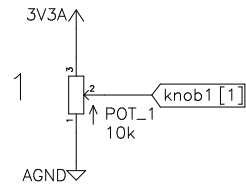
Buttons



Sheet	Number
Main	1/3
Project	Revision
daisy	0.1
Drawn by	
David Huss	
Date	
2023-11-06	

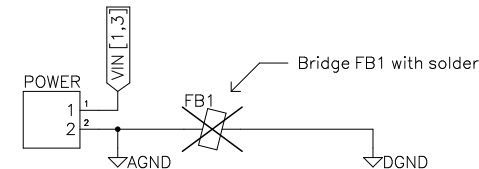


# Knobs for Digital Control



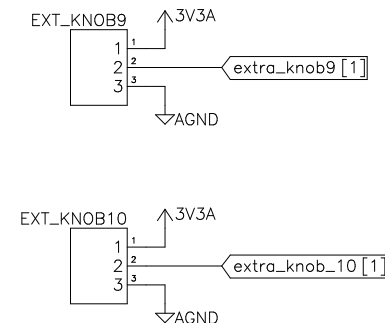
NOTE: POT 8 is the input gain control  
and can be found on sheet 1

## Solder Points for External Power (14VDC Max!)



If this module is used with an USB-Powersupply VIN is not needed. If the optional mic preamplifier is to be used, connect +12VDC here.

## Solder Points for External Pots



Sheet	Knobs & Ext. I/O	Number	2/3
Project	daisy	Revision	0.1
Drawn by	David Huss		
Date	2023-11-06		



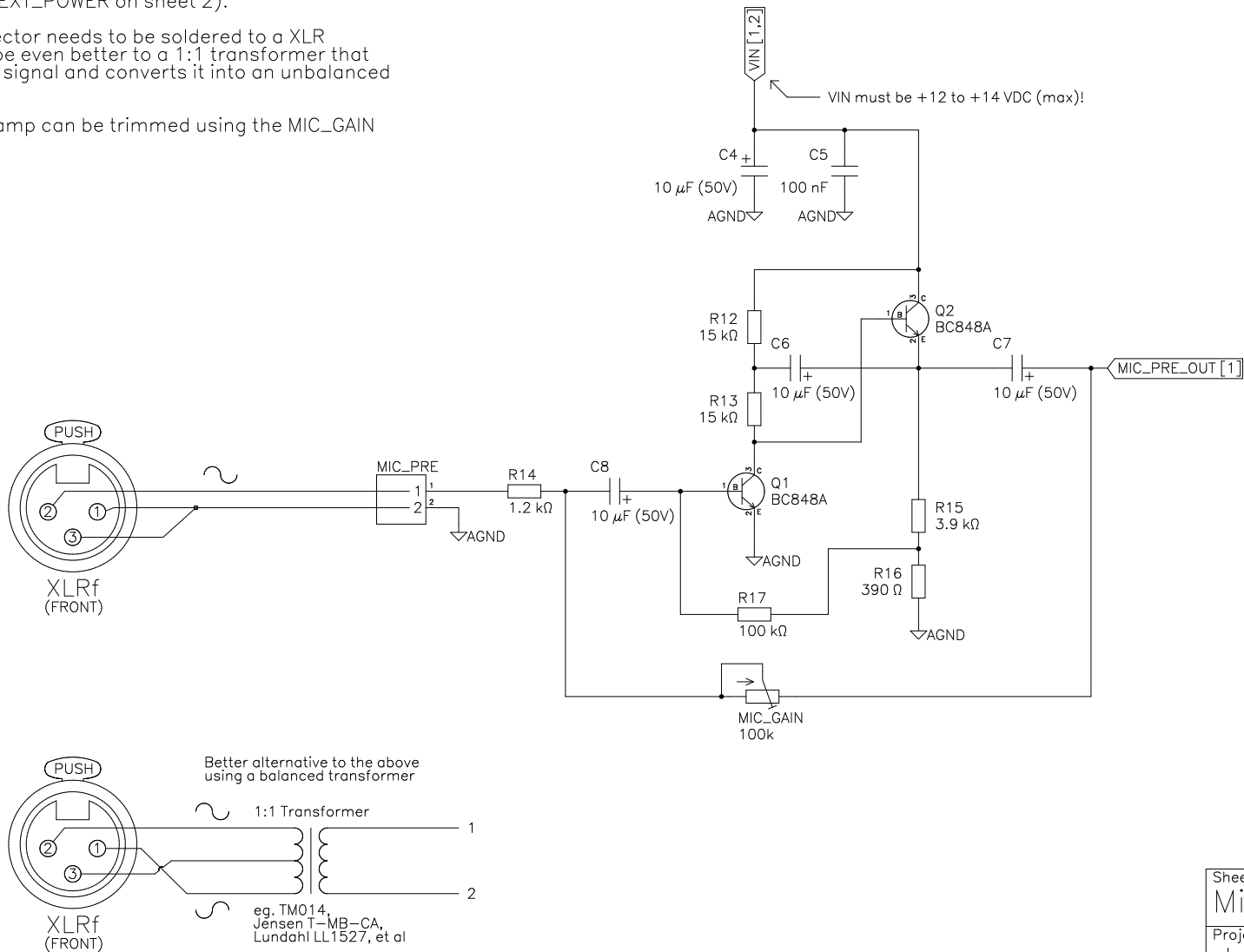
# Optional Microphone Preamp

This is an additional, but unpopulated mic preamp, that allows the use of this module with dynamic mics (XLR), that don't use Phantom Power.  
For space reasons this part of the circuit consists of SMD parts.

The preamp is calculated to run of +12V DC, that means you will have to solder a 12V-powersupply connection to VIN and AGND (see EXT\_POWER on sheet 2).

The MIC\_PRE connector needs to be soldered to a XLR connector, or maybe even better to a 1:1 transformer that takes the balanced signal and converts it into an unbalanced signal.

The gain of the preamp can be trimmed using the MIC\_GAIN trimmer.



Sheet	Number
Mic Pre	3/3
Project	Revision
daisyy	0.1
Drawn by	
David Huss	
Date	
2023-11-06	

