



# Tulip Creative Computer

## Schematic Overview

### MCU Sheet 2

File: mcu.kicad\_sch

ESP32 Module  
I2C Pullups  
Reset Logic

### Interface Sheet 3

File: interface.kicad\_sch

USB Serial  
MIDI In/Out  
LCD  
USB Host  
Expansion

### Audio Sheet 4

File: audio.kicad\_sch

Audio DAC  
Volume Fader  
Headphone Amplifier

### Power Sheet 5

File: power.kicad\_sch

Battery Charger  
Power Switchover  
Battery Gas Gauge  
5V Boost Regulator  
3.3V LDO Regulator  
Power Switch

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Original design by Brian Whitman with contributions from Matt Mets and Nicolas Villar

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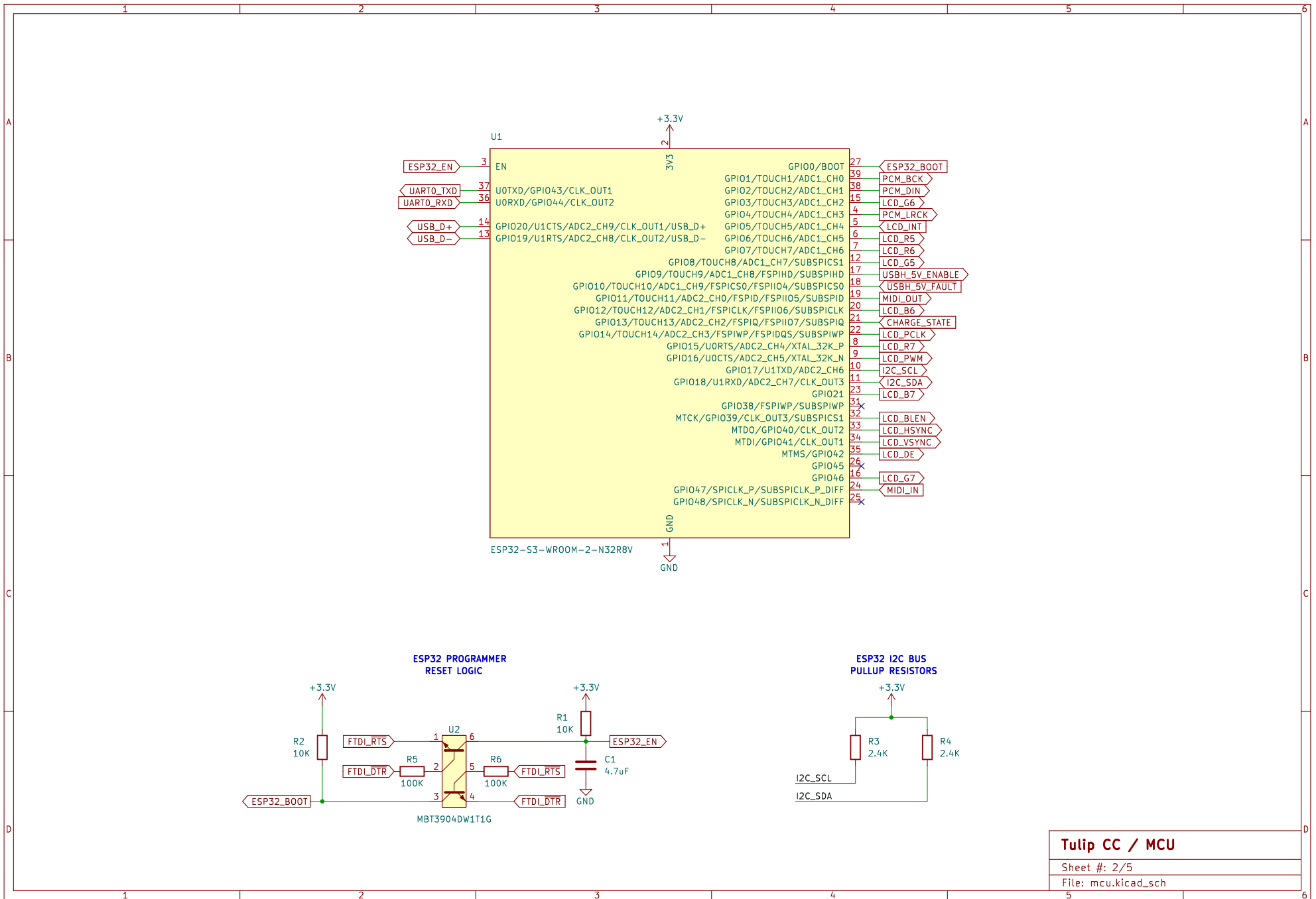
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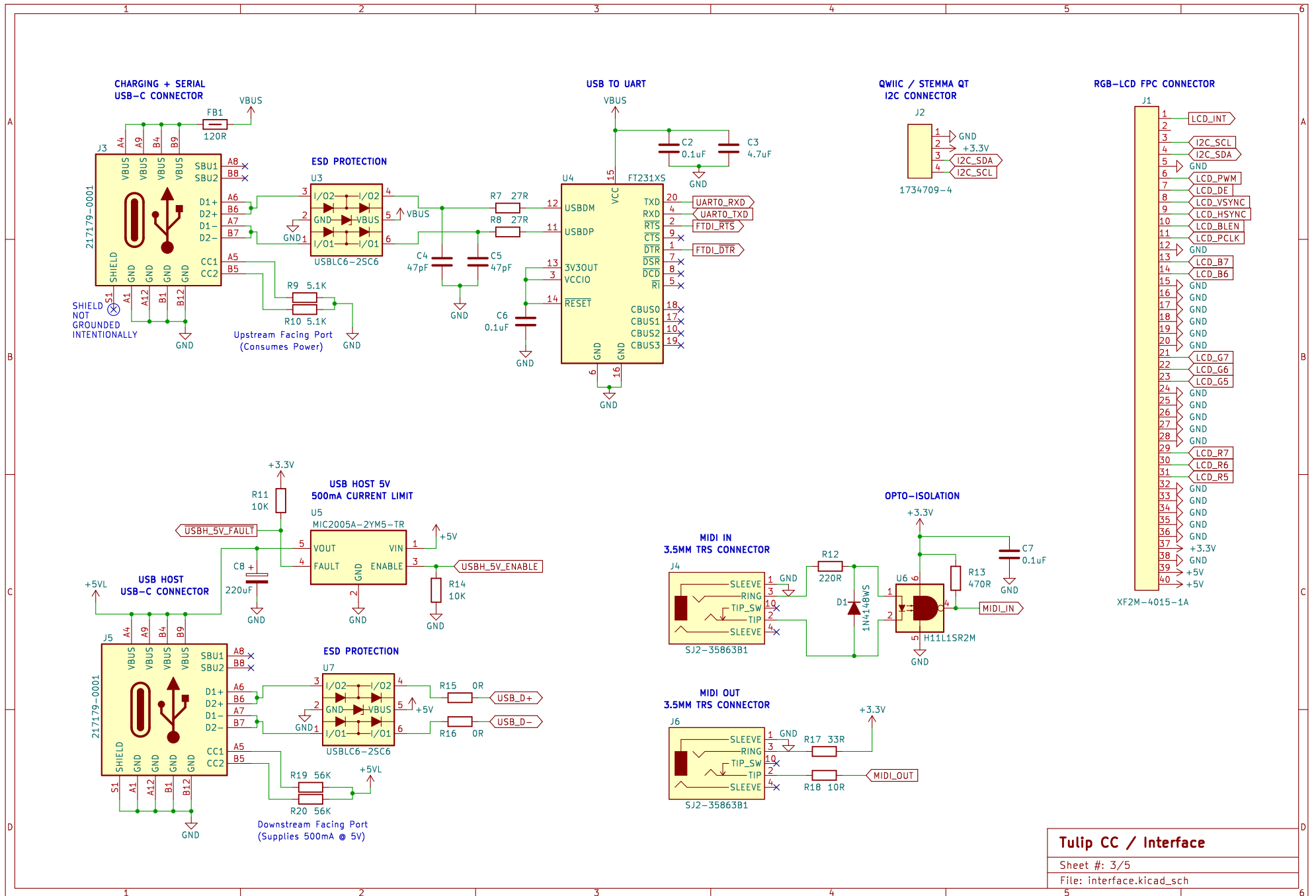
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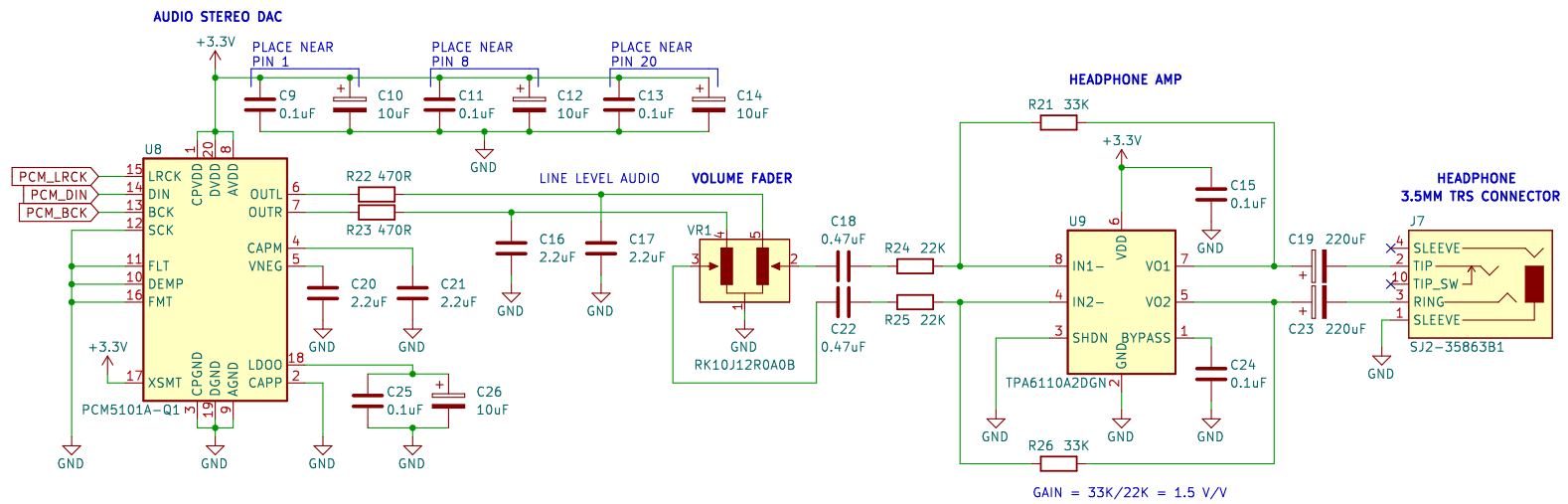
**Tulip Creative Computer V5 R0**

Sheet #: 1/5

File: tulipcc.kicad\_sch







Tulip CC / Audio

Sheet #: 4/5

File: audio.kicad\_sch

