

Design: Eric Sanman, Sierra Buckley, Chuong Vo, Chris Crider  
Open Source Hardware  
**Portland State University**

Sheet: /  
File: ECE 411 Project.kicad\_sch

**Title: SynthBuddy**

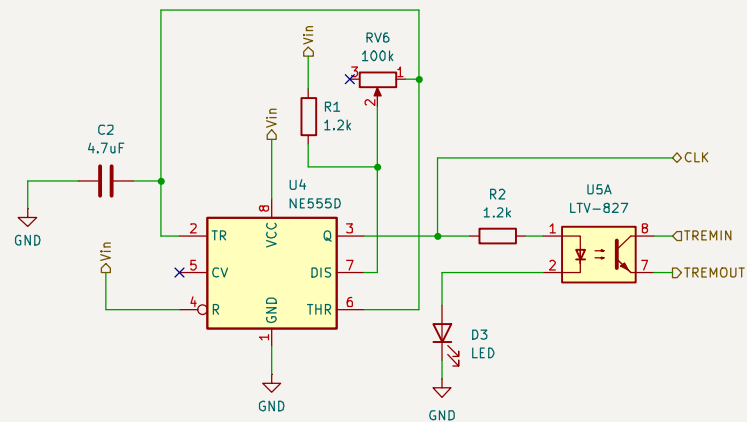
Size: A4 Date: 2024-11-21

KiCad E.D.A. 8.0.6

Rev: r2.6

Id: 1/6





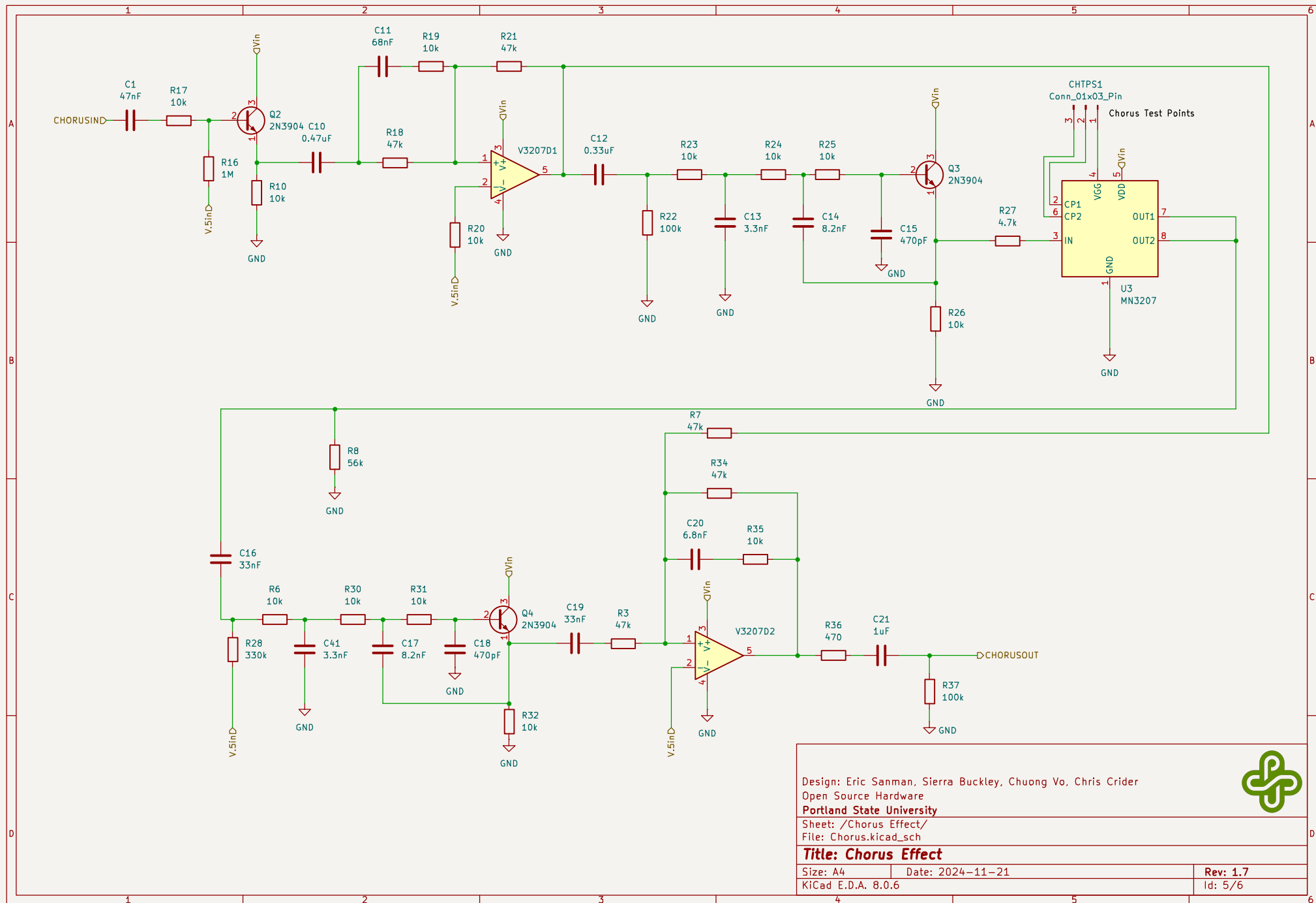
Design: Eric Sanman, Sierra Buckley, Chuong Vo, Chris Crider  
 Open Source Hardware  
**Portland State University**  
 Sheet: /Tremolo Effect/  
 File: Tremolo.kicad\_sch



# **Title: Tremolo Effect**

Size: A4 Date: 2024-11-21  
 KiCad E.D.A. 8.0.6

Rev: r2.5  
 Id: 4/6



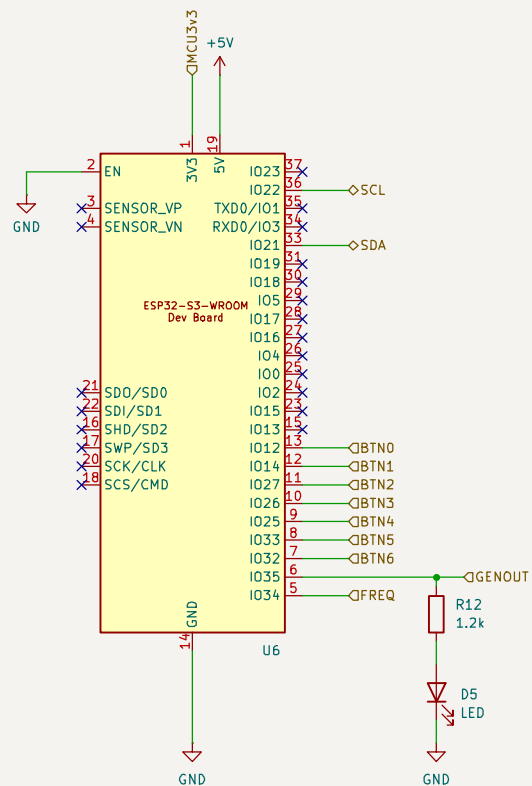
Design: Eric Sanman, Sierra Buckley, Chuong Vo, Chris Crider  
 Open Source Hardware  
**Portland State University**  
 Sheet: /Chorus Effect/  
 File: Chorus.kicad\_sch



### Title: Chorus Effect

Size: A4 Date: 2024-11-21  
 KiCad E.D.A. 8.0.6

Rev: 1.7  
 Id: 5/6

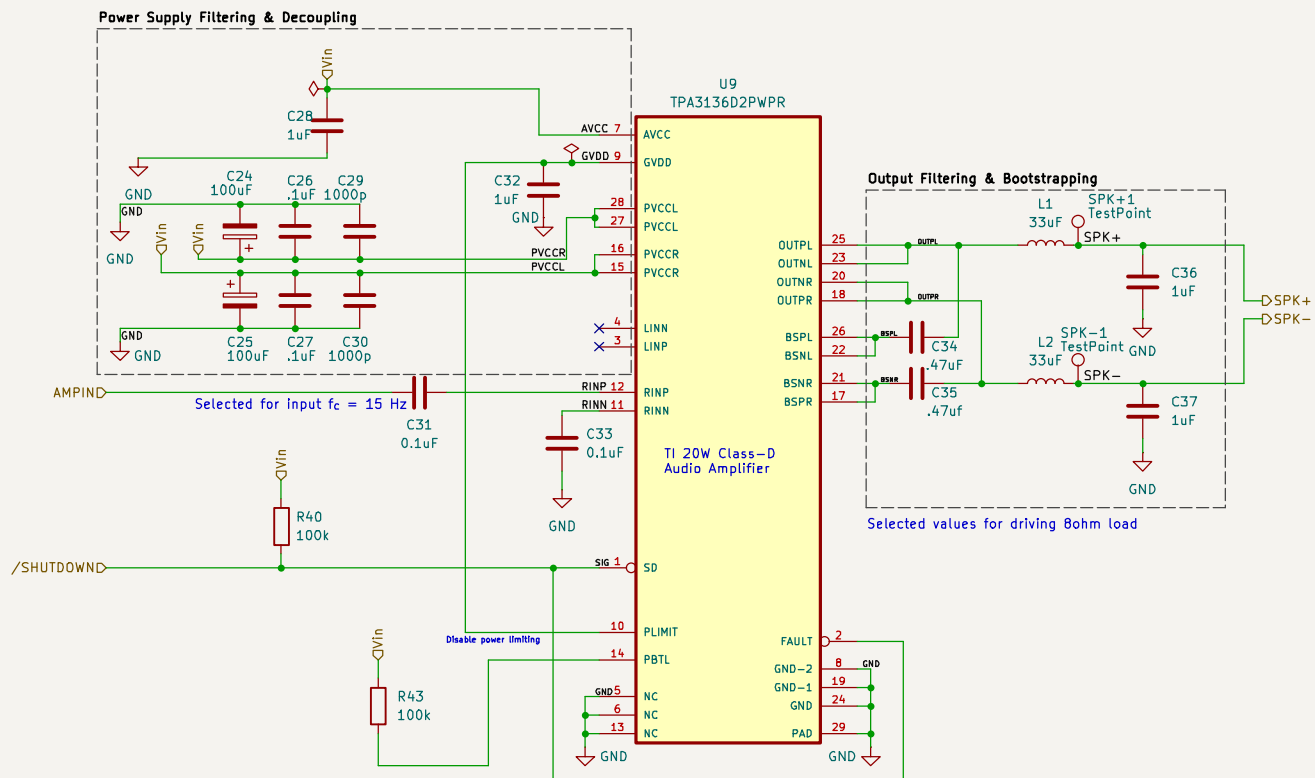


Design: Eric Sanman, Sierra Buckley, Chuong Vo, Chris Crider  
 Open Source Hardware  
**Portland State University**  
 Sheet: /ESP32-S3-WROOM Dev Board/  
 File: ESP32 & OLED.kicad\_sch



**Title: ESP32 Microcontroller Module**

Size: A4	Date: 2024-11-22	Rev: 1.91
KiCad E.D.A. 8.0.6		Id: 6/6



Design: Eric Sanman  
Open Source Hardware  
Portland State University

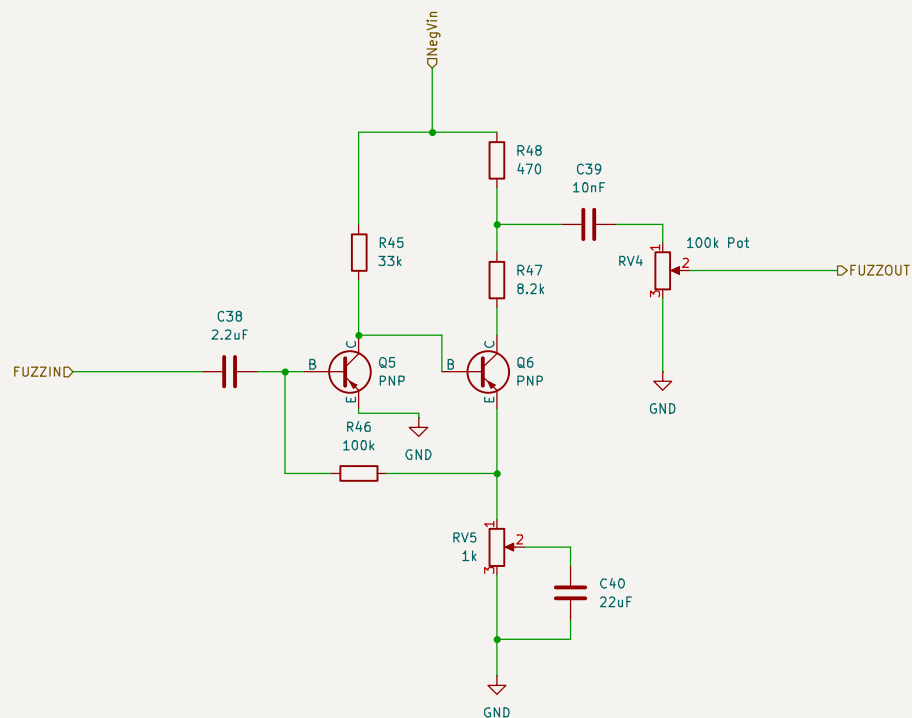
Sheet: /Class-D Amplification/  
File: Amp.kicad\_sch

# **Title: 20W Mono Class-D Audio Amplifier**

Size: A4  
Date: 2024-11-14  
KiCad E.D.A. 8.0.6

Rev: r2.7  
Id: 7/6



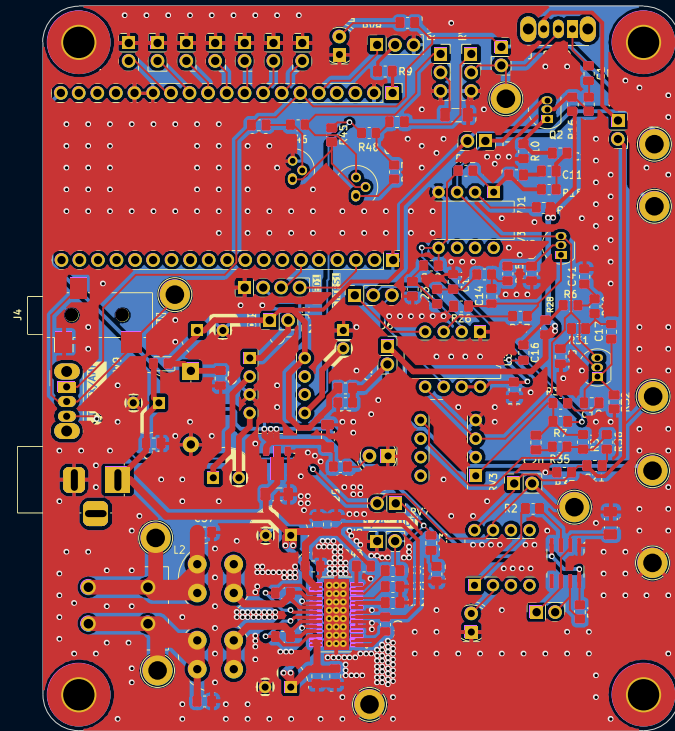


Design: Eric Sanman, Sierra Buckley, Chuong Vo, Chris Crider  
 Open Source Hardware  
**Portland State University**  
 Sheet: /Fuzz Schematic/  
 File: Fuzz.kicad\_sch



### Title: Fuzz & Distortion Effect

Size: A4	Date: 2024-11-14	Rev: 1.7
KiCad E.D.A. 8.0.6		Id: 8/6



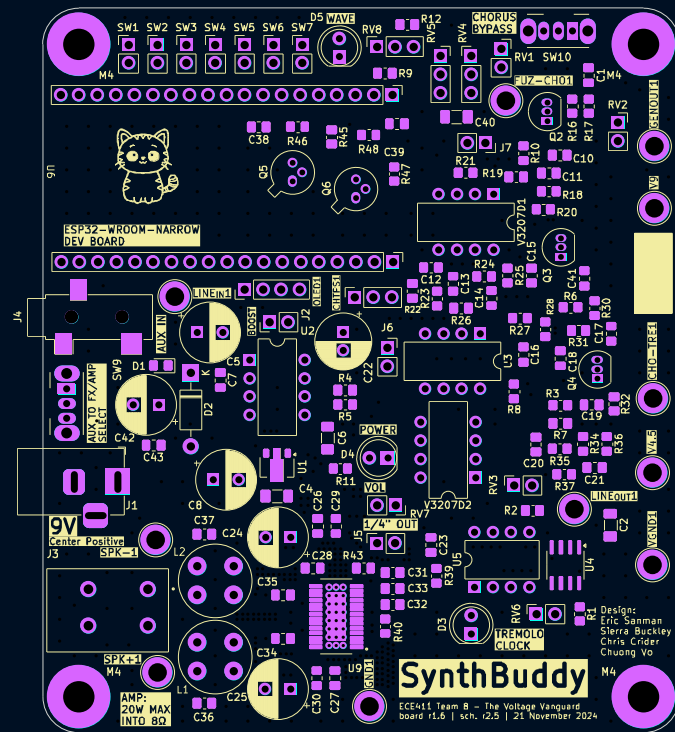
Design: Eric Sanman, Sierra Buckley, Chuong Vo, Chris Crider  
Portland State University

Sheet:  
File: ECE 411 Project.kicad\_pcb

**Title: PedalSynth**

Size: A4 Date: 2024-11-17  
KiCad E.D.A. 8.0.6

Rev: r1.6  
Id: 1/1



Design: Eric Sanman, Sierra Buckley, Chuong Vo, Chris Crider

Portland State University

Sheet:

File: ECE 411 Project.kicad\_pcb

Title: PedalSynth

Size: A4 Date: 2024-11-17

KiCad E.D.A. 8.0.6

Rev: r1.6

Id: 1/1