

# **Industrial Design Portfolio**

Milan Momiroski

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# **CAD Modelling & Renders**

# Meze 99 Classics

Autodesk Fusion 360 • Blender • Luxcorerender

Milan Momiroski

RMIT - Advanced CAID





# Audio-Technica ATH-M20x

Autodesk Fusion 360 • Blender • Luxcorerender

Milan Momiroski





# Oakley Jawbreakers (Inspired)

Autodesk Fusion 360 • Blender • Luxcorerender

Milan Momiroski



RMIT - Advanced CAID





# LIFT + Kneebrace (Original)

Autodesk Fusion 360 • Blender • Luxcorerender

Milan Momiroski • Alex Cao • Dawei Cao • Haochen Li

Collaborators: Worksafe Victoria

RMIT - Safeness by Design



# Braille Book Nooks (Original)

Autodesk Fusion 360 • Blender • Luxcorerender

Milan Momiroski

Collaborators: Vision Australia

RMIT - VISIO



# Photon A-22n (Original)

Autodesk Fusion 360 • Blender • Luxcorerender

Milan Momiroski



# Photon S-47H (Original)

Autodesk Fusion 360 • Blender • Luxcorerender

Milan Momiroski



# Aquatic: Generative Homewares (Original)

Autodesk Fusion 360 • Blender • Rhino + Grasshopper • Luxcorerender

Milan Momiroski • Hamish McDuff

RMIT - Generative Futures



\*NOT TO SCALE





# Collector Clean Deluxe (Original)

Autodesk Fusion 360 • Blender • Luxcorerender

Milan Momiroski • Dawei Cao • Lauren Priester

Collaborators: 3M

RMIT - Wastification



**3M** Science.  
Applied to Life.™



# **Electronics Design & Assembly**

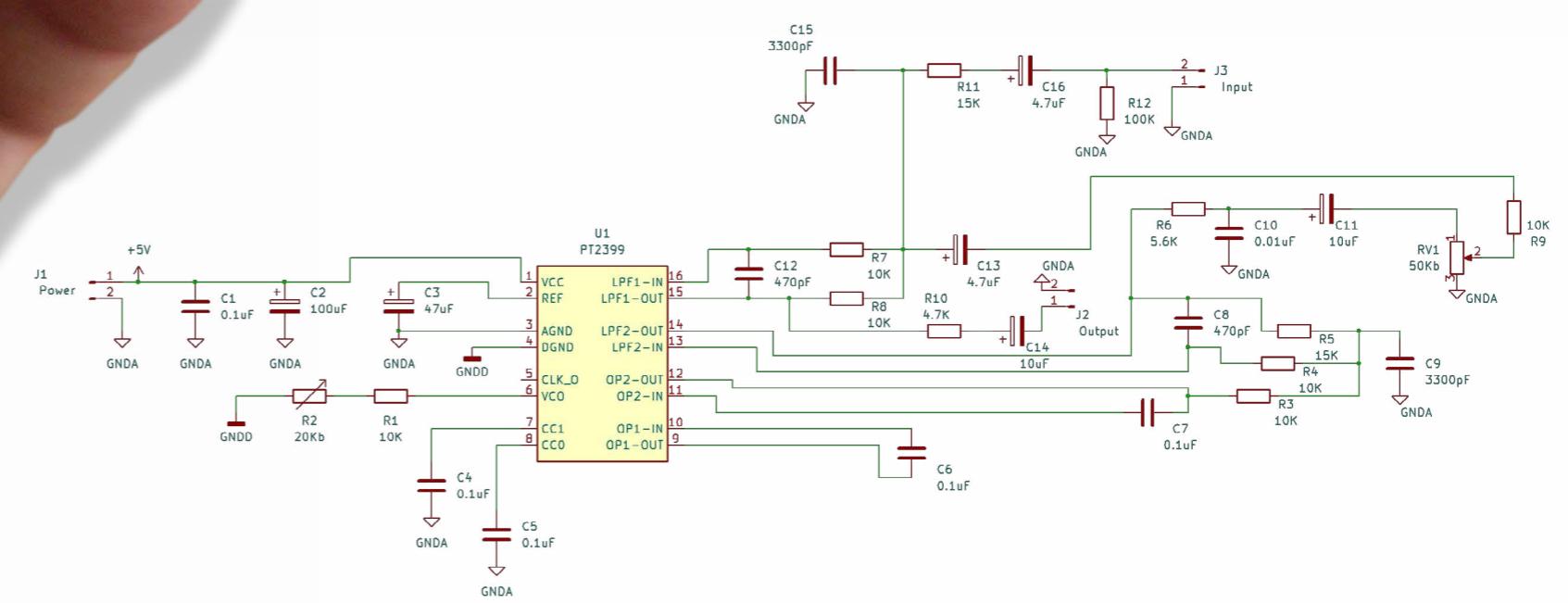
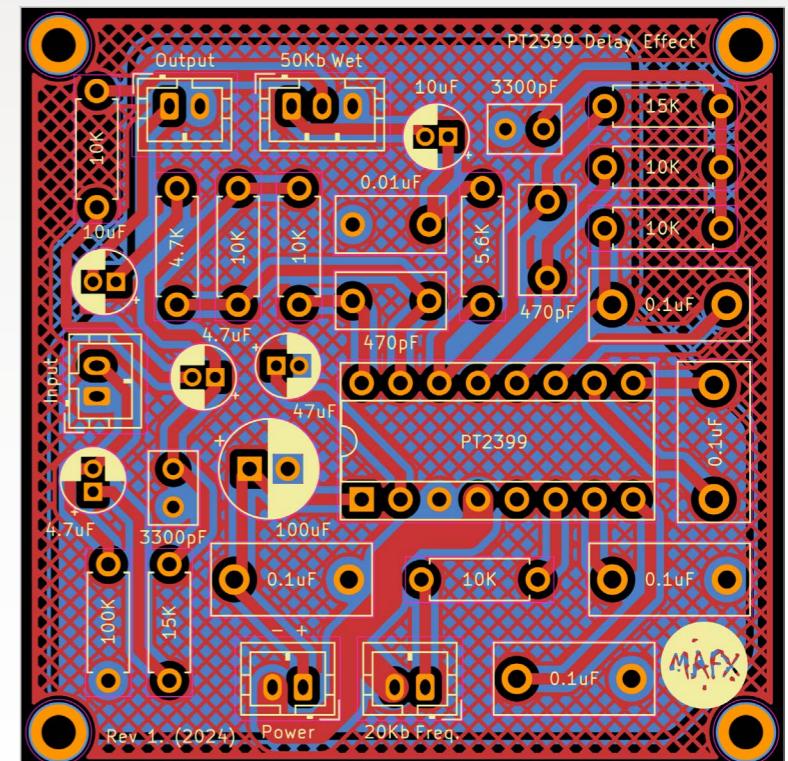
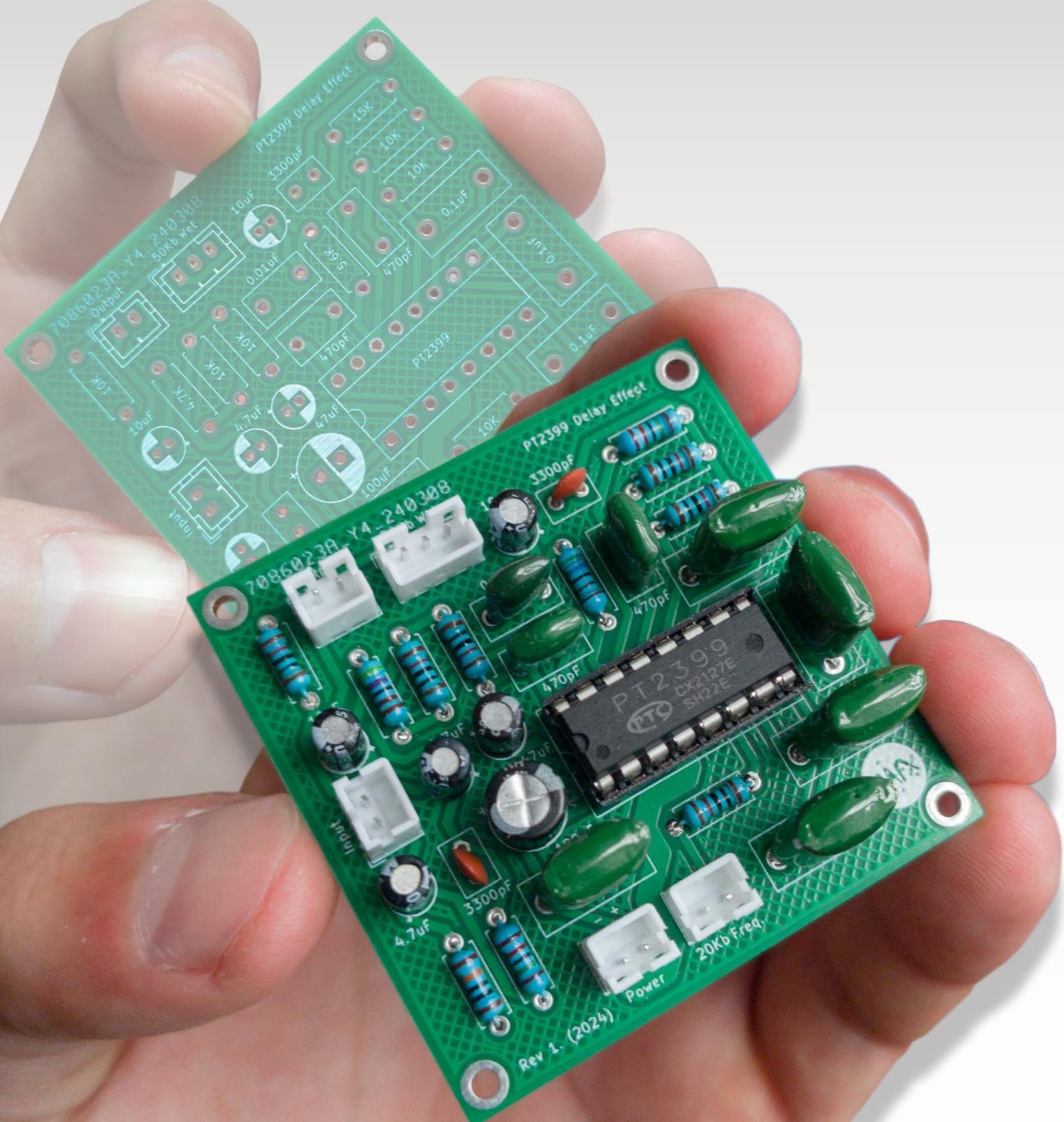
# PT2399 Delay Module

KiCAD

PCB Design: Milan Momiroski

Circuit Design: Princeton Technology Corporation

Manufactured by JLCPCB



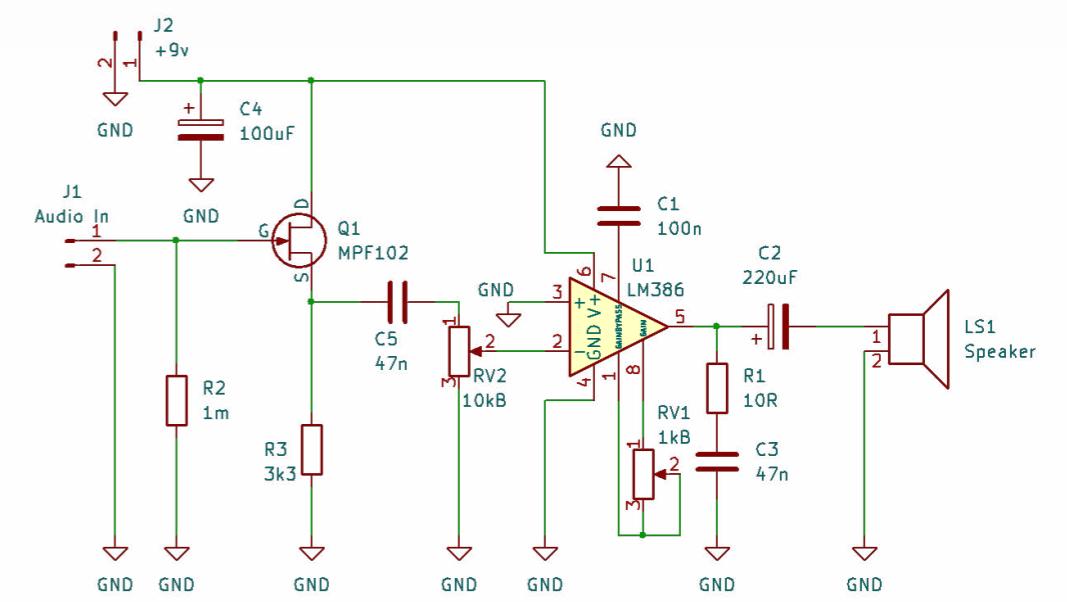
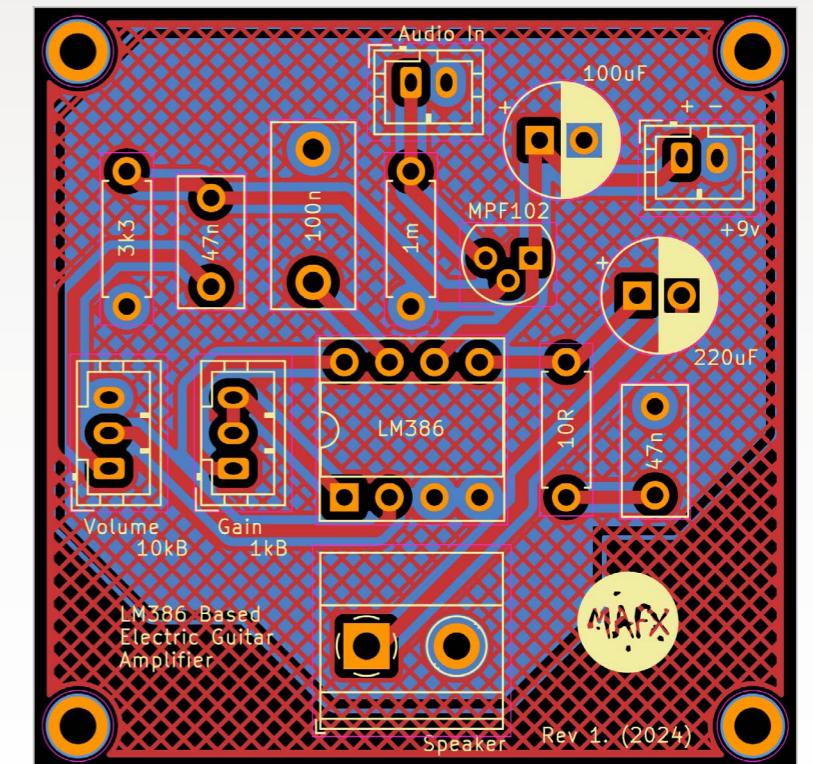
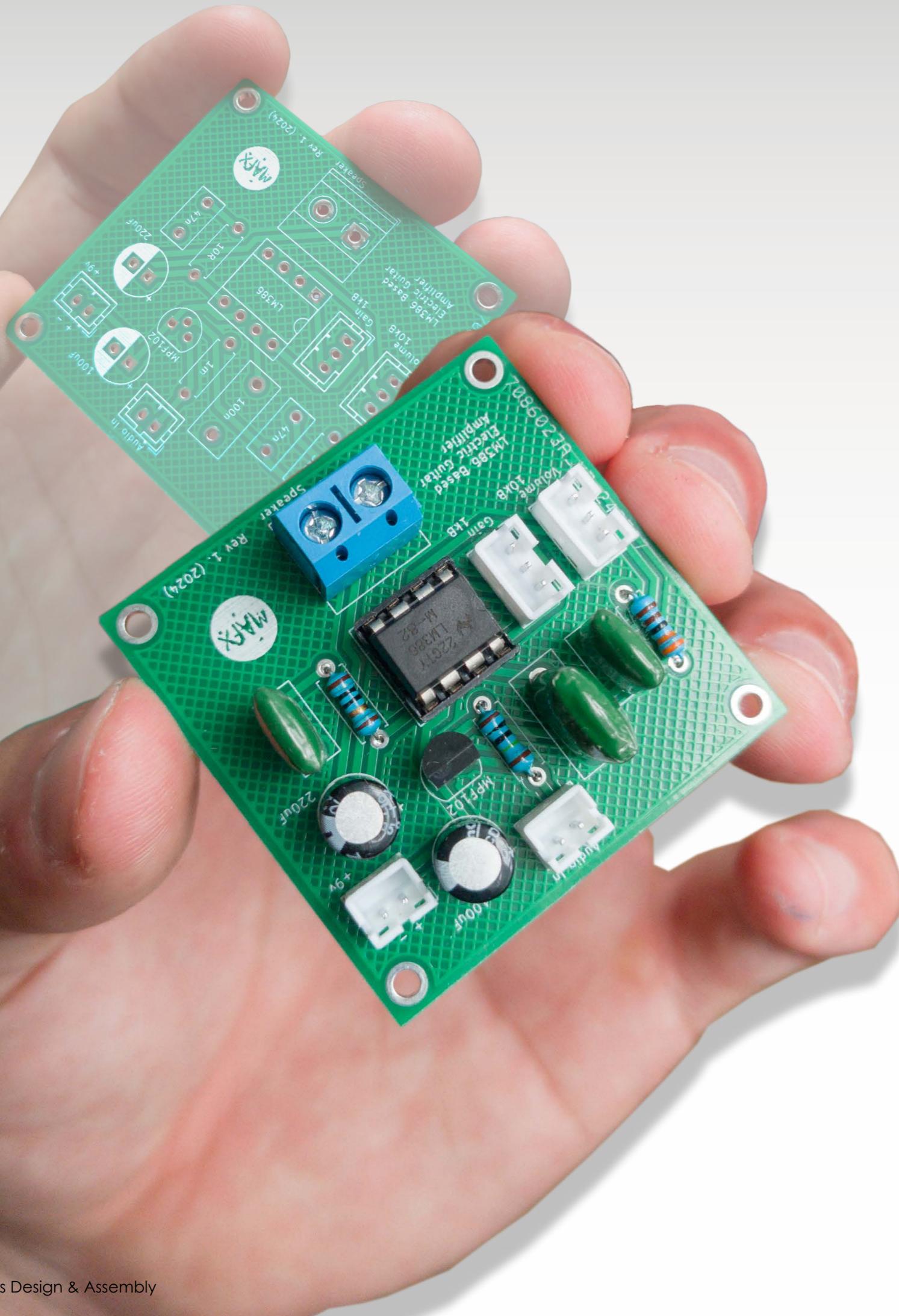
# LM386 Guitar Amplifier

KiCAD

PCB Design: Milan Momiroski

Circuit Design: runoffgroove.com

Manufactured by JLCPCB



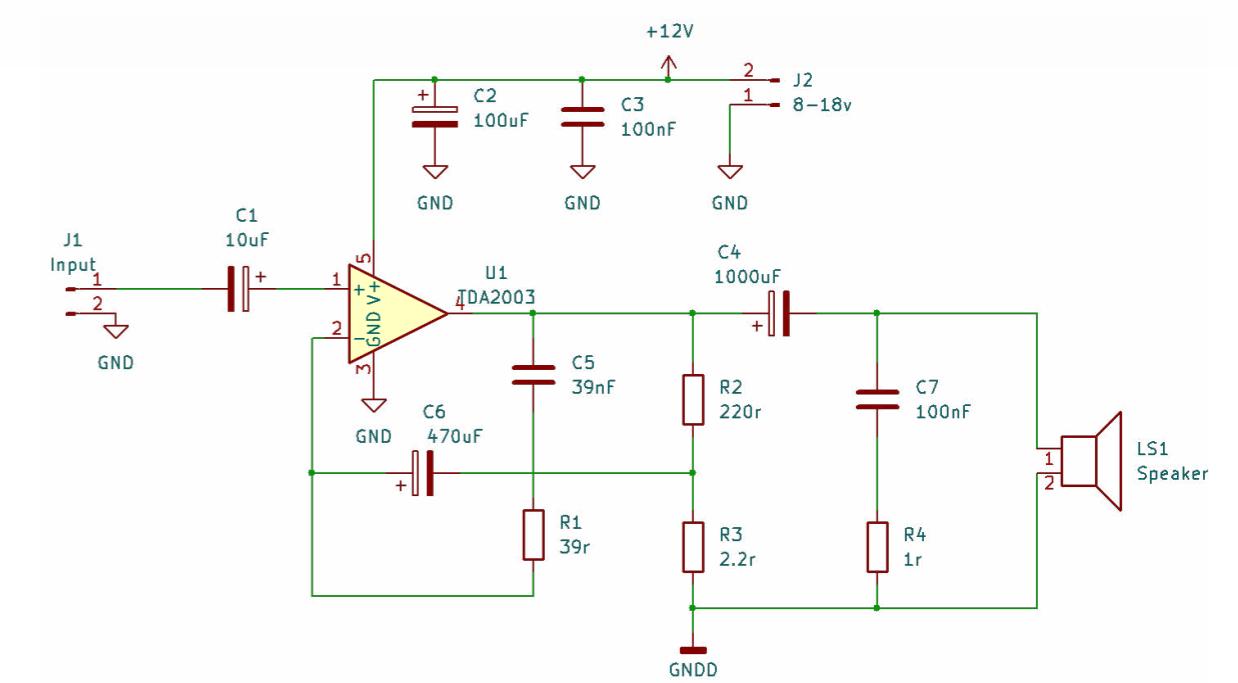
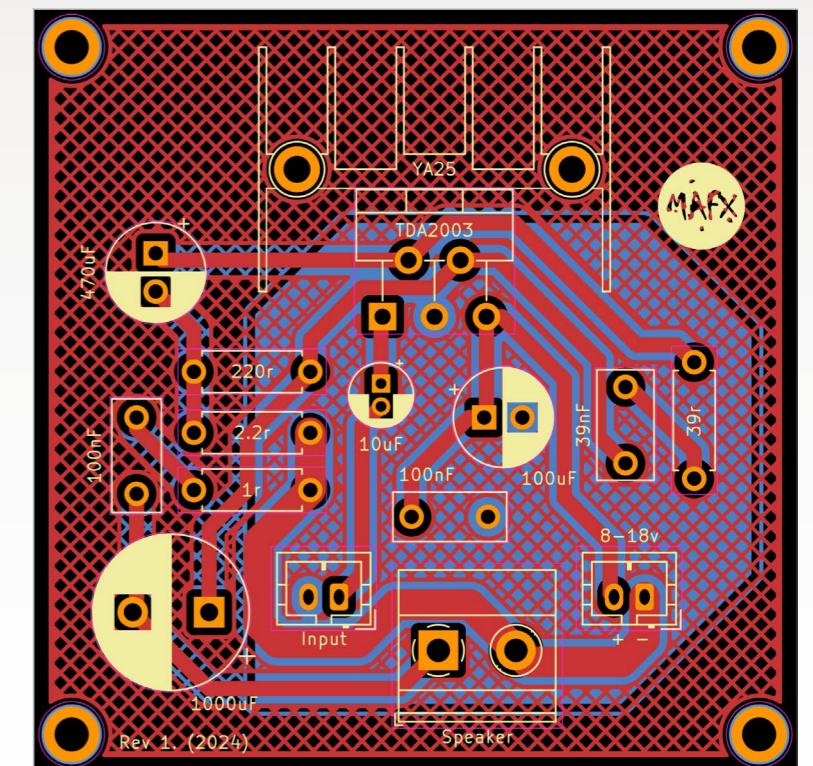
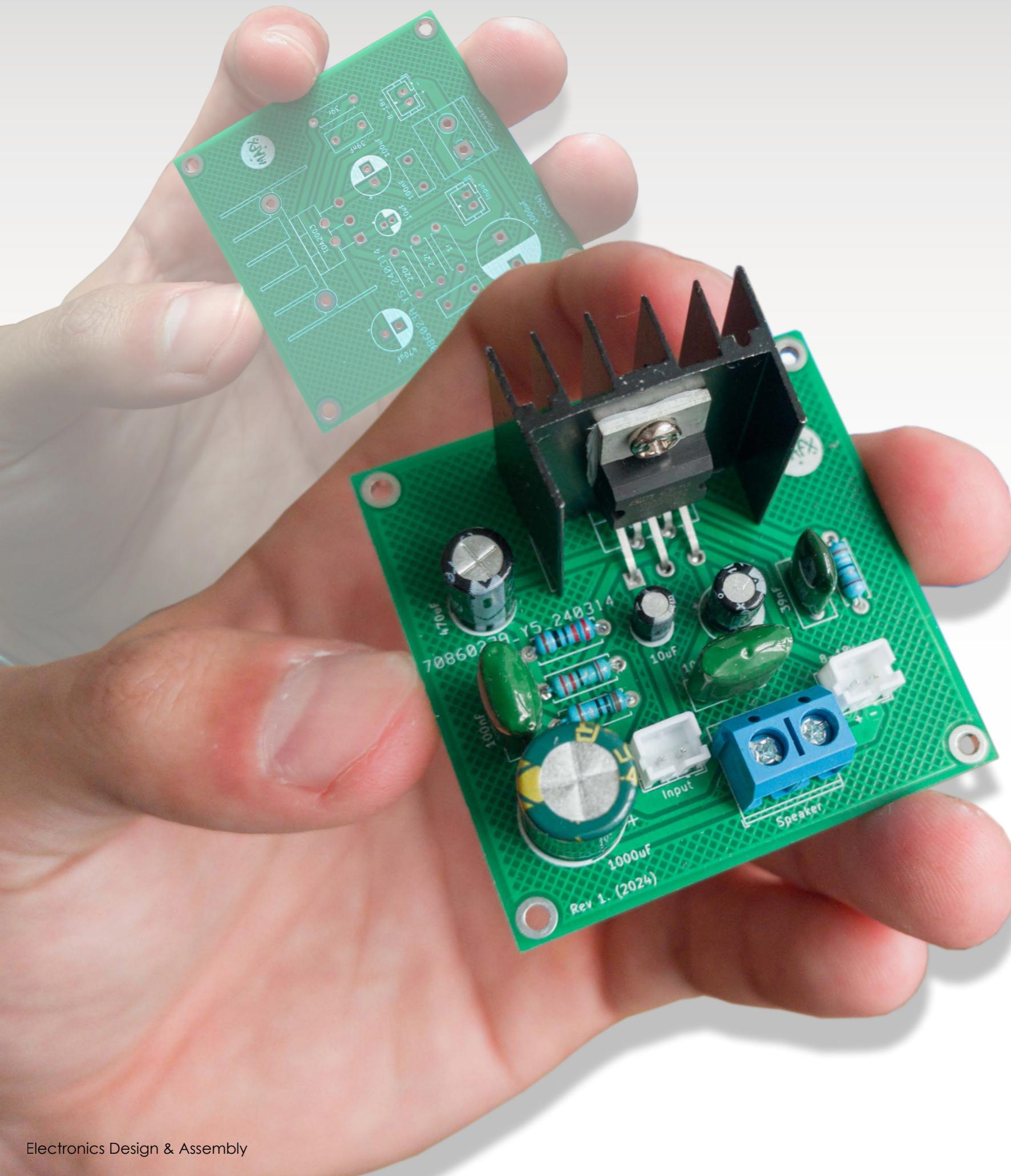
# TDA2003a Hi-Fi Amplifier

KiCAD

PCB Design: Milan Momiroski

Circuit Design: STMicroelectronics

Manufactured by JLCPCB



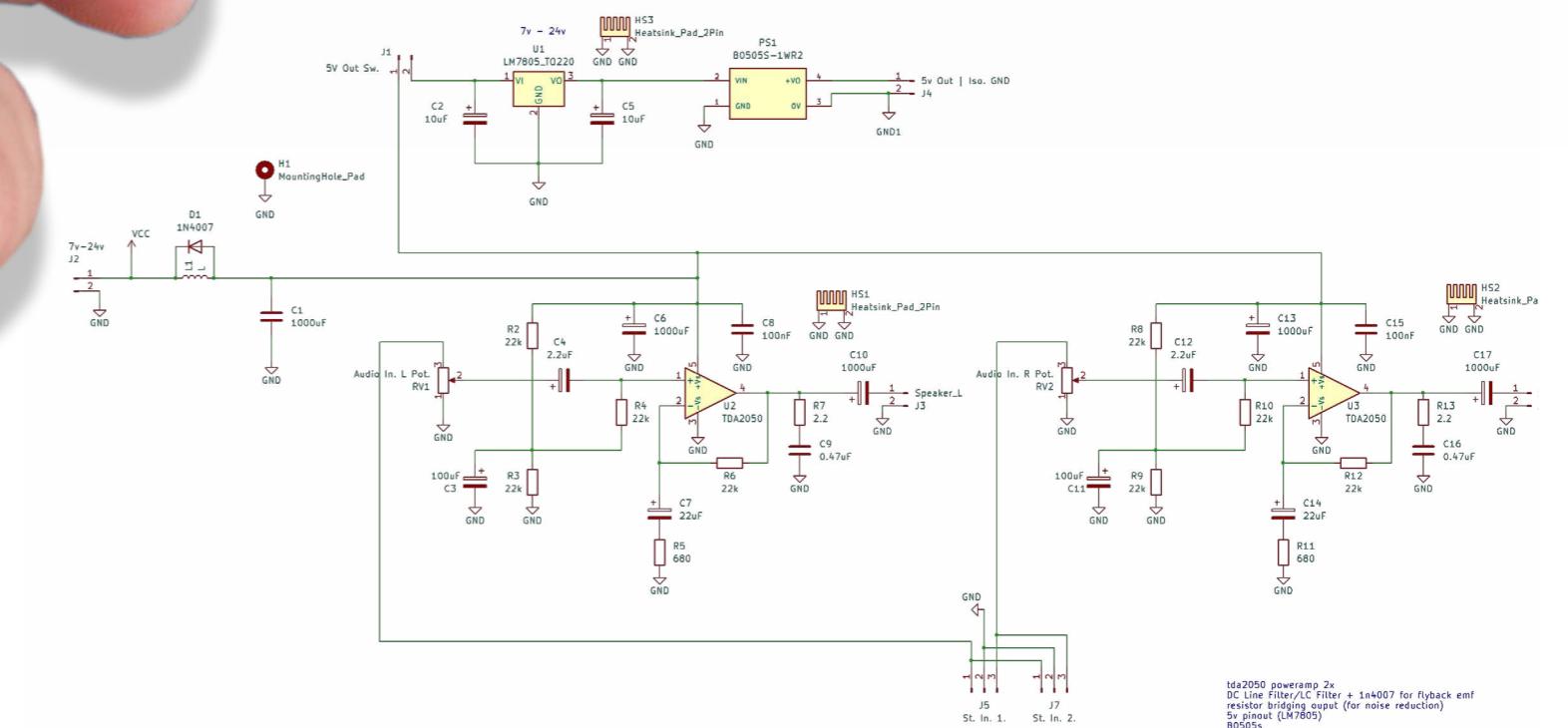
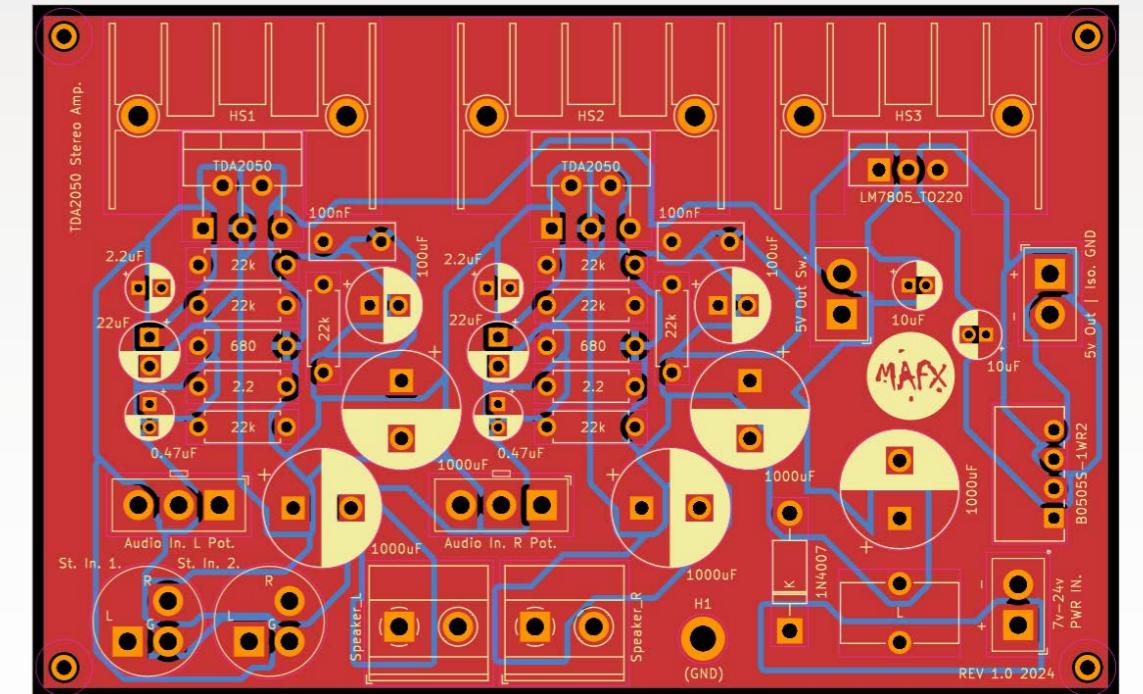
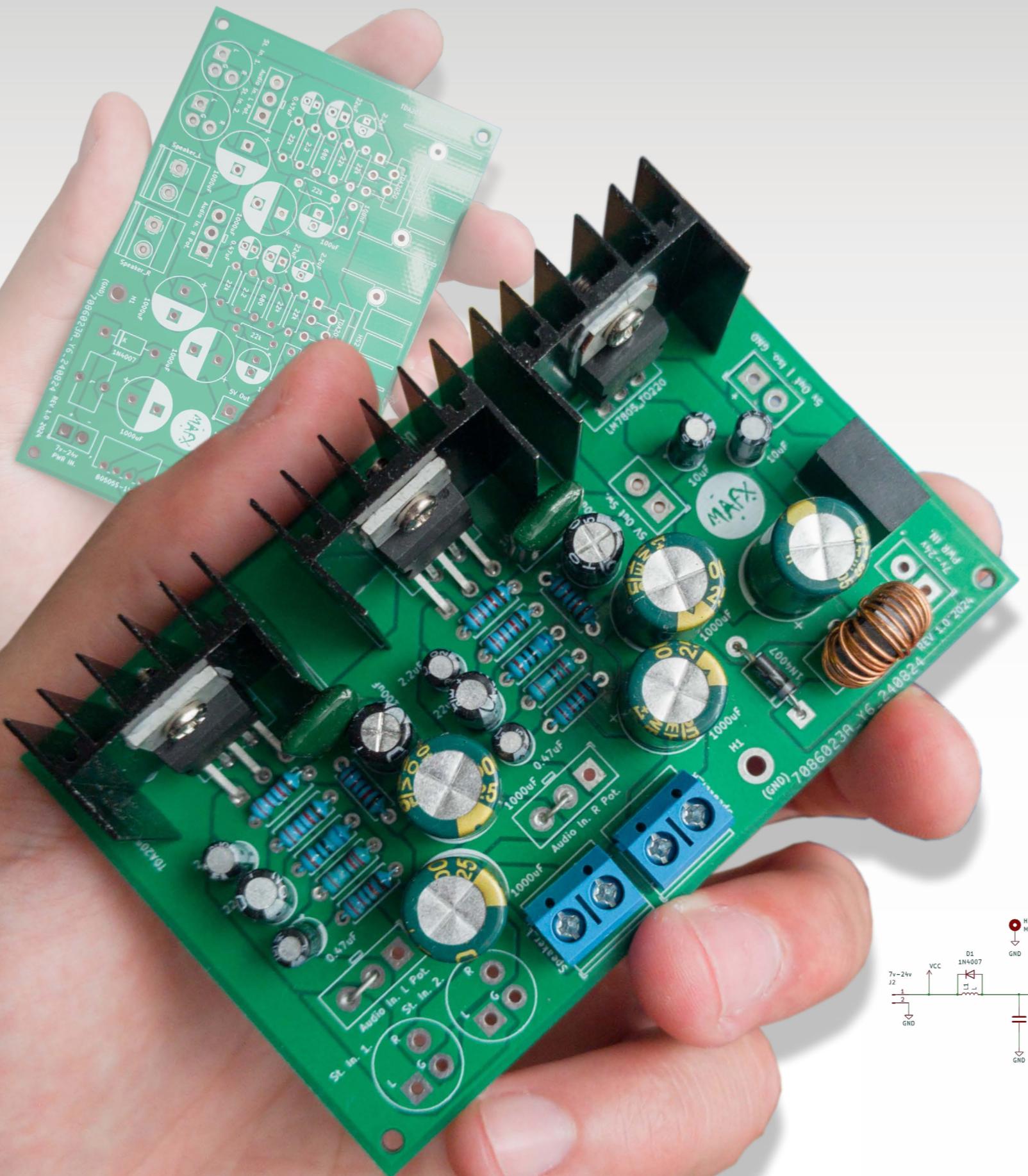
# Stereo TDA2050 Hi-Fi Amplifier

KiCAD

PCB Design: Milan Momiroski

Circuit Design: STMicroelectronics / Milan Momiroski

Manufactured by JLCPCB



tda2050\_poweramp\_2x  
DC Line Filter/LC Filter + 1n4007 for flyback emf  
resistor bridging output (for noise reduction)  
5V input (LM7805)  
B05055

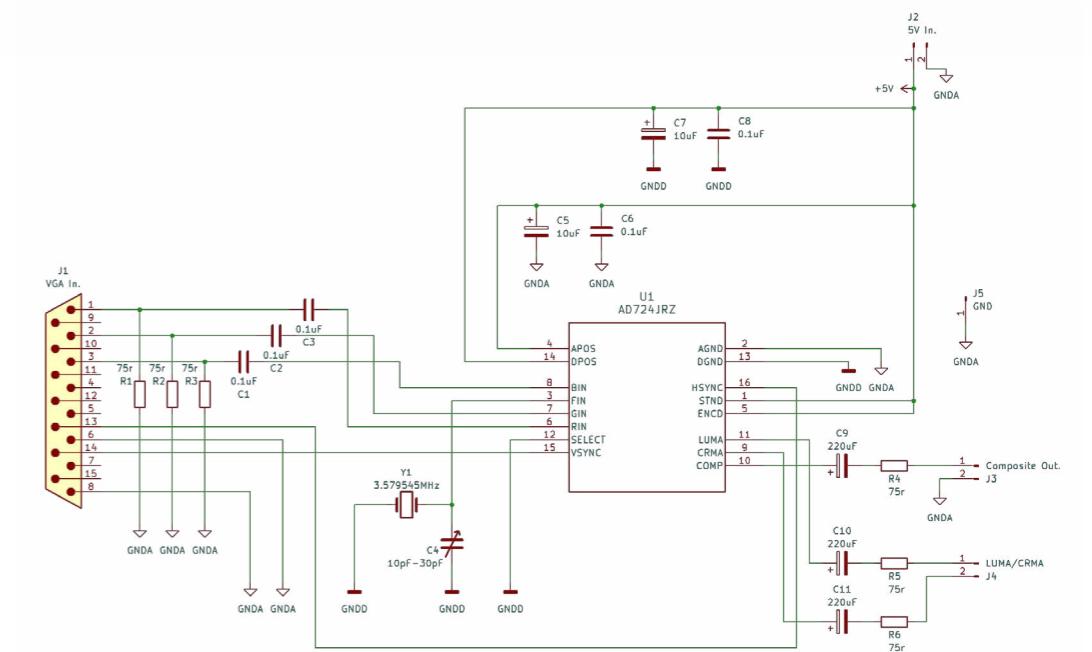
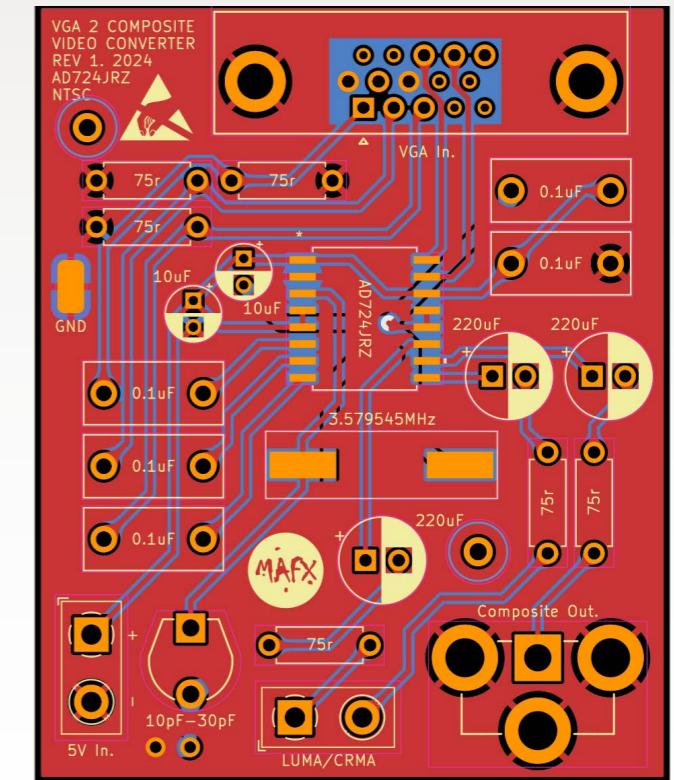
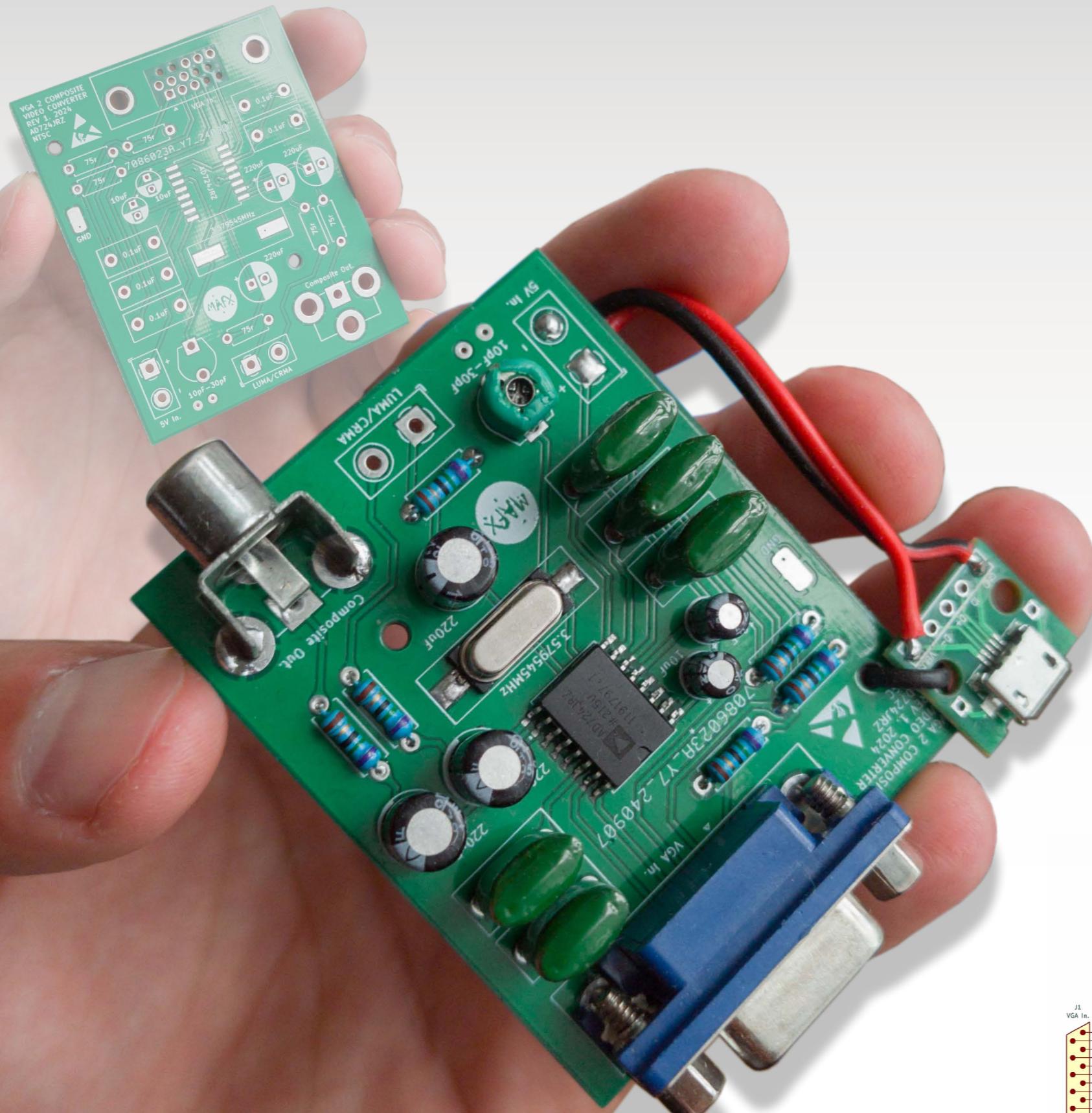
# AD724 VGA to Composite Converter

KiCAD

PCB Design: Milan Momiroski

Circuit Design: Analogue Devices

Manufactured by JLCPCB



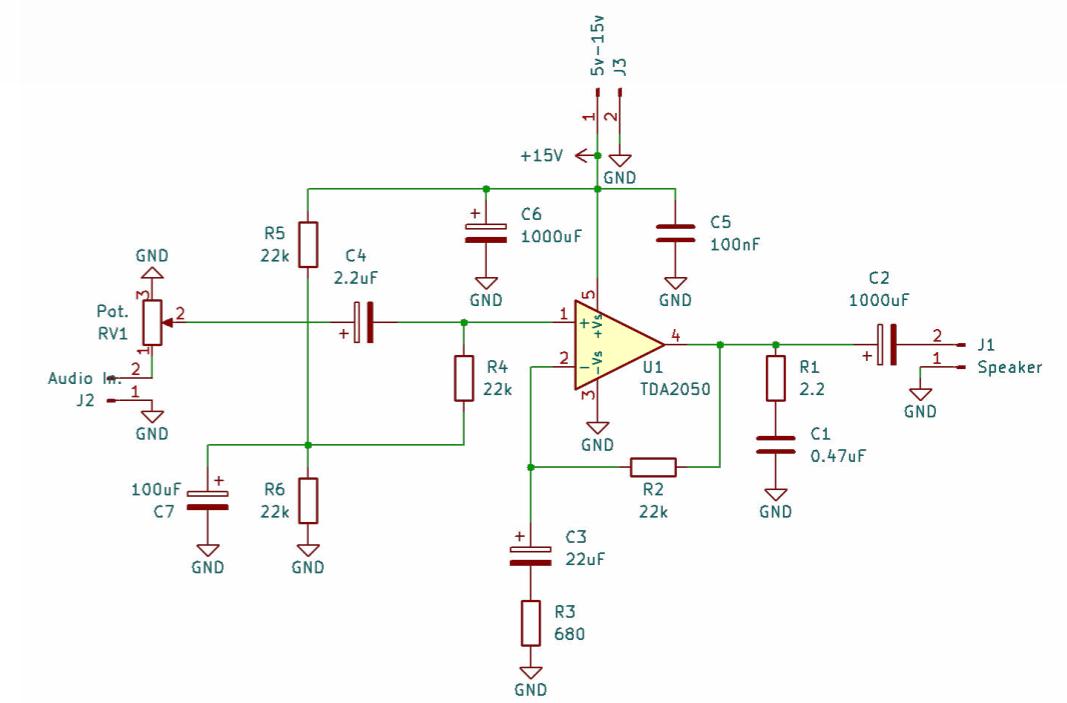
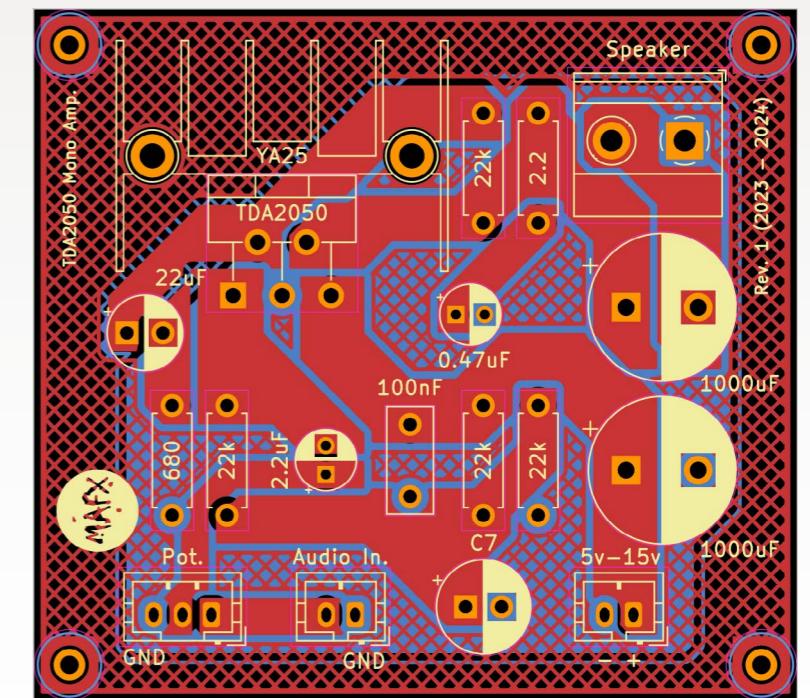
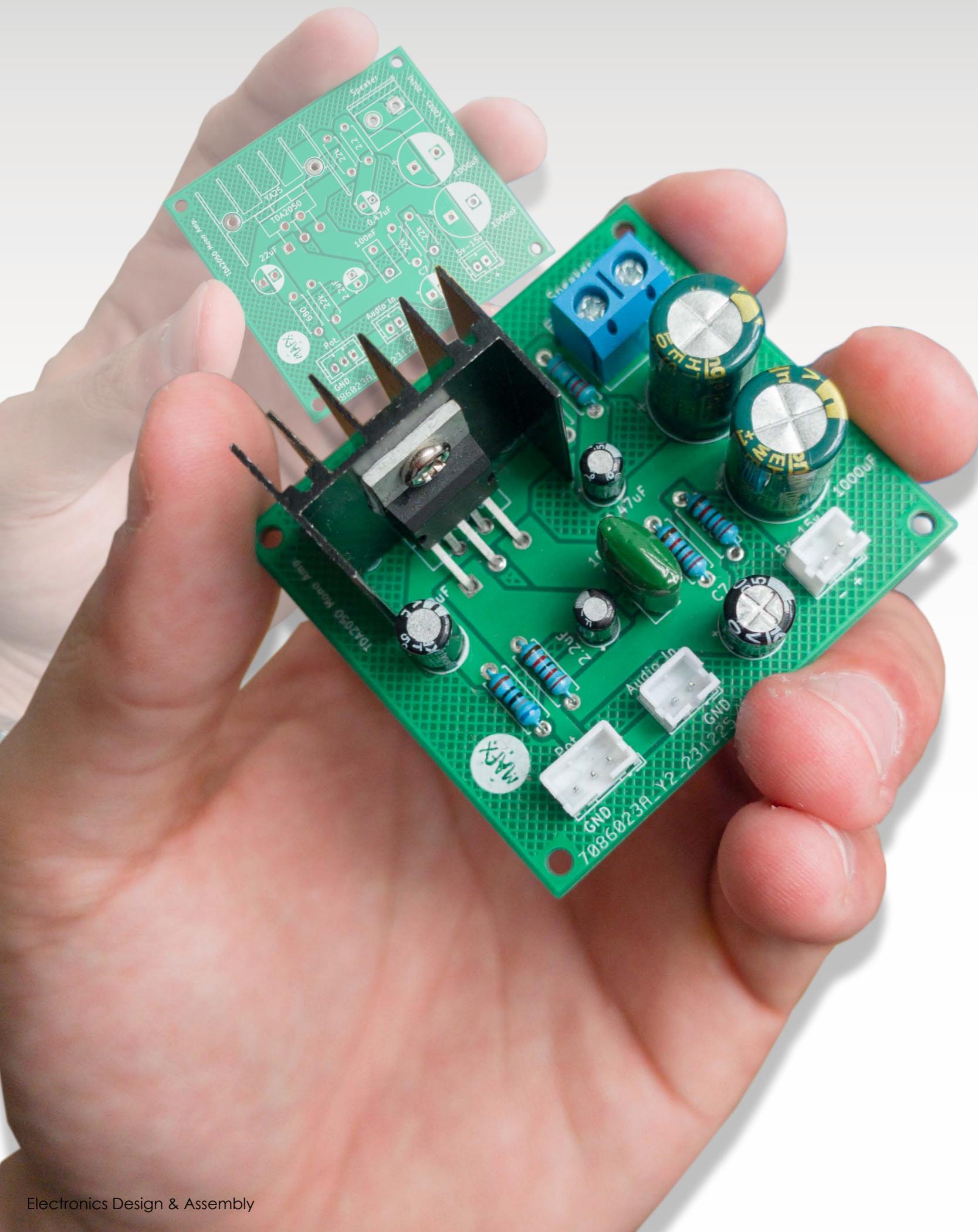
# TDA 2050 Mono Amplifier

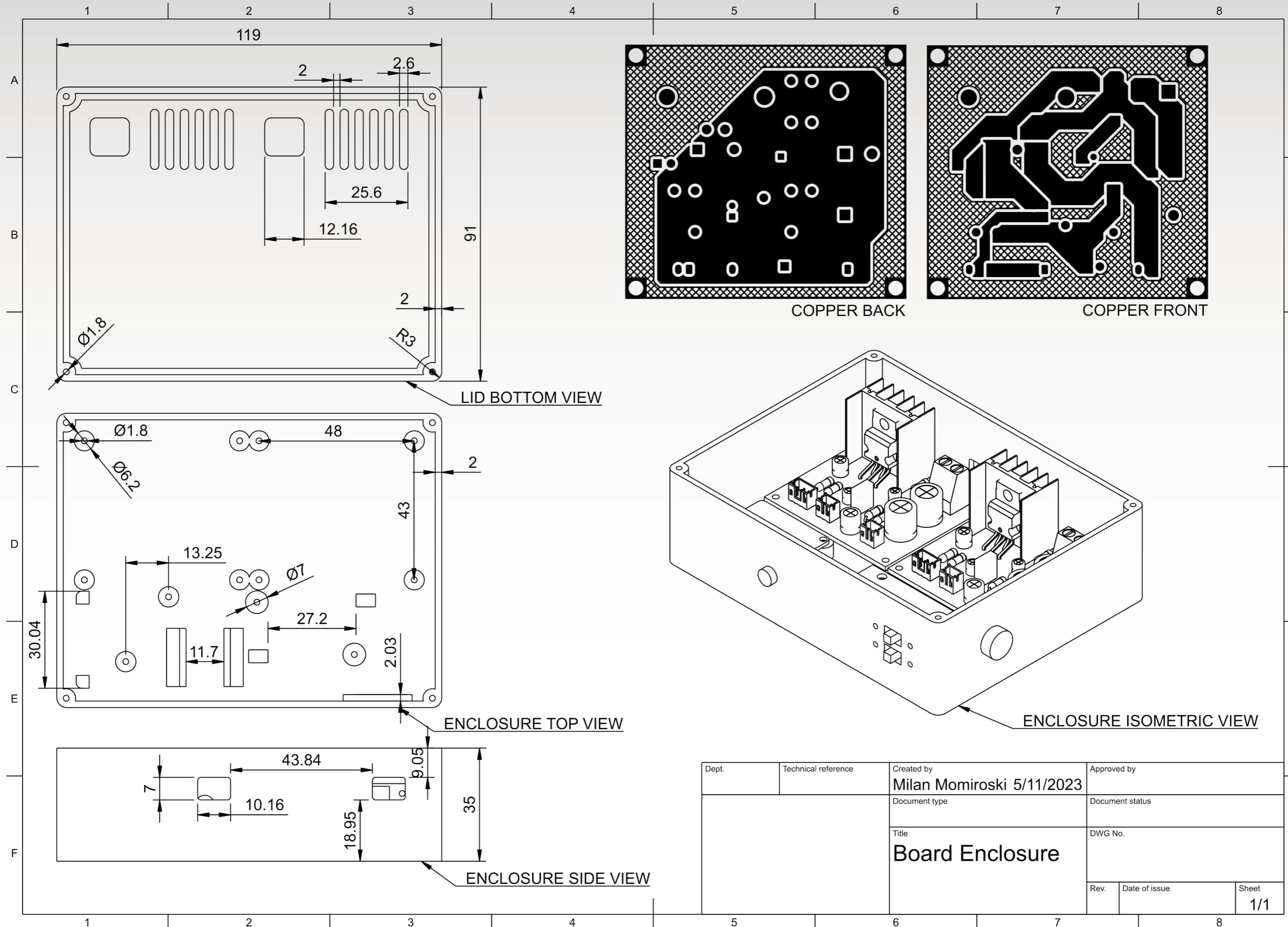
KiCAD

PCB Design: Milan Momiroski

Circuit Design: STMicroelectronics

Manufactured by JLCPCB



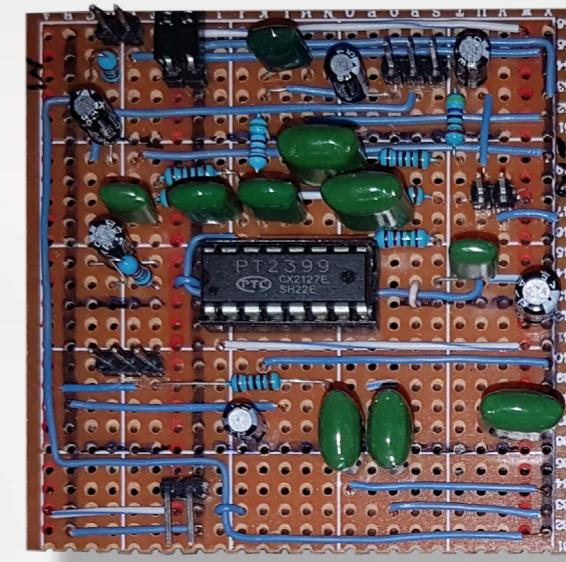


# ECHO

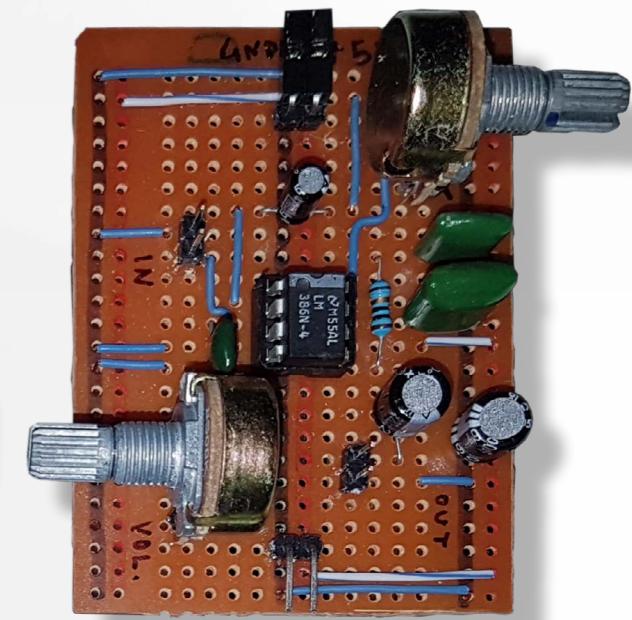
## ECHO Portable Guitar Amplifier

Autodesk Fusion 360

PCB Design / Construction / Amp Design: Milan Momiroski  
Construction / Materials: CNC on Birch Ply • Corduroy Upholstery • 3D Printing  
Circuit Design: runoffgroove.com • Princeton Technology Corporation



PT2399 Delay Module



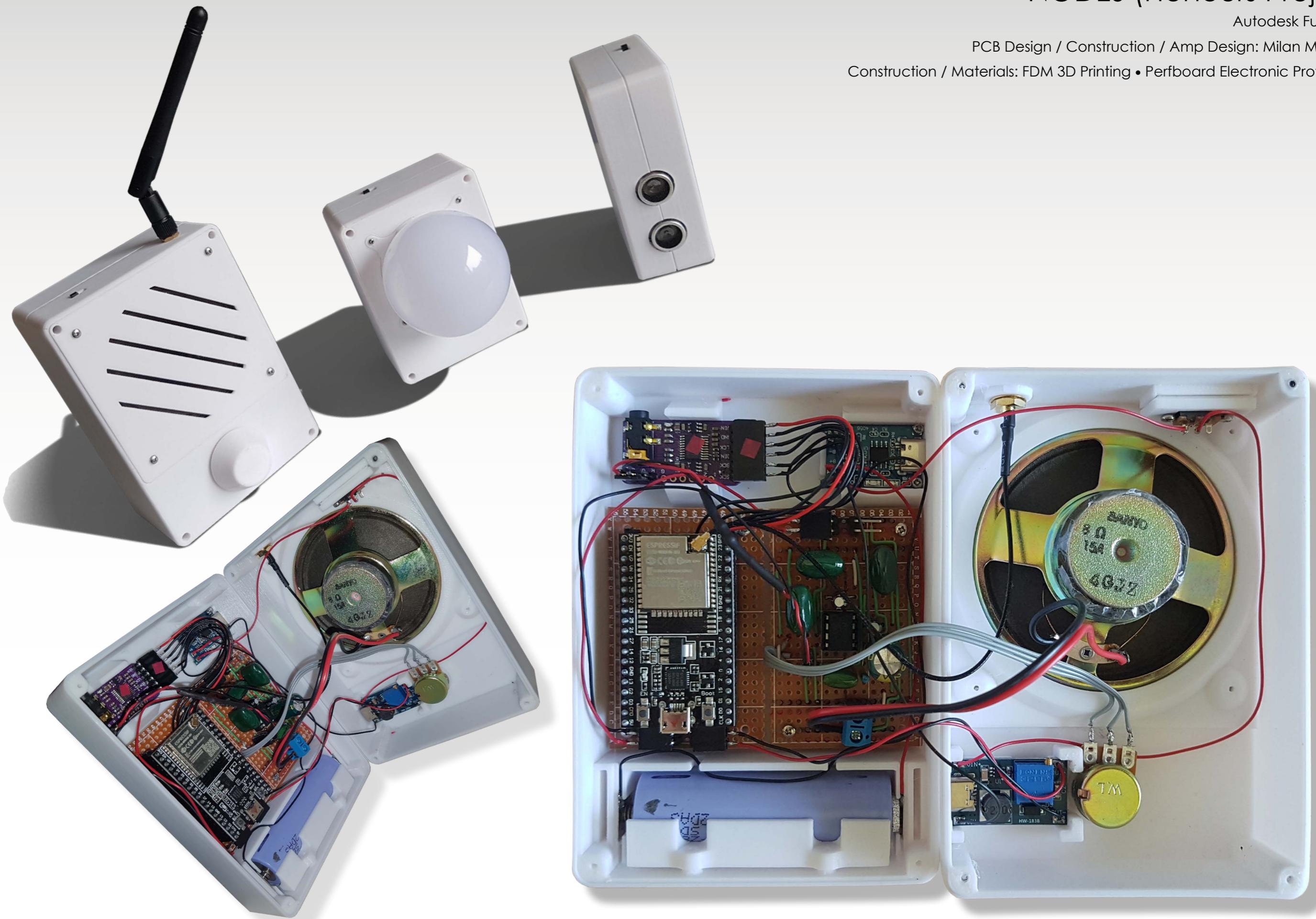
LM386 Amplifier

# NODES (Honours Project)

Autodesk Fusion 360

PCB Design / Construction / Amp Design: Milan Momiroski

Construction / Materials: FDM 3D Printing • Perfboard Electronic Prototyping

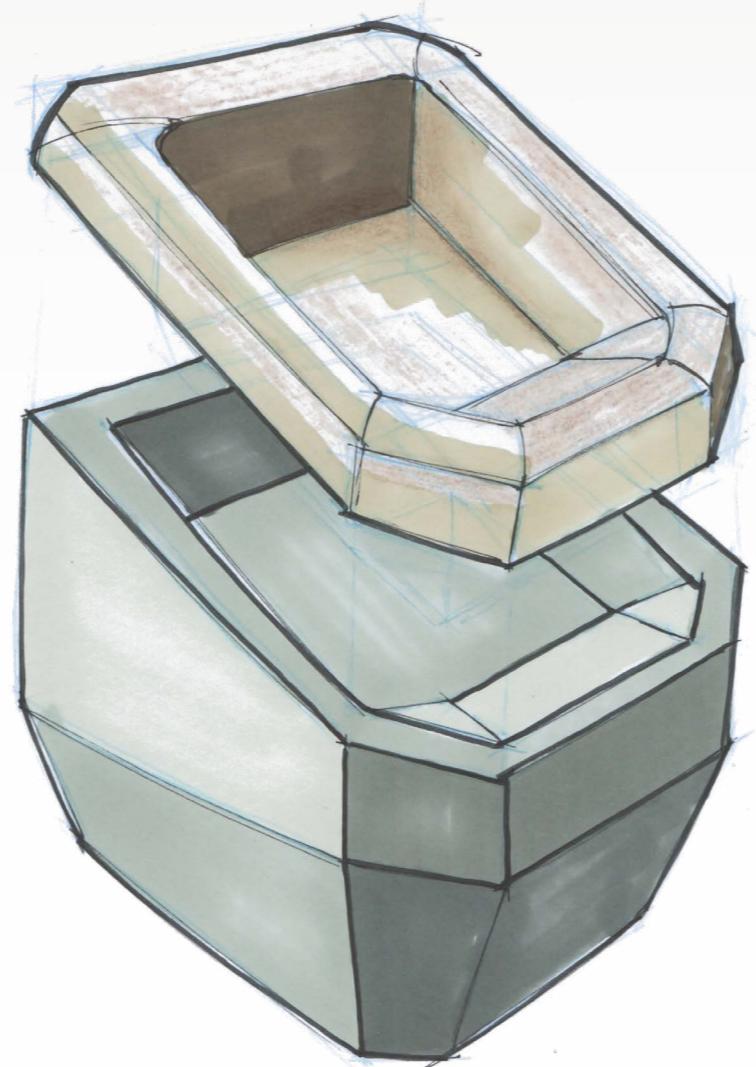
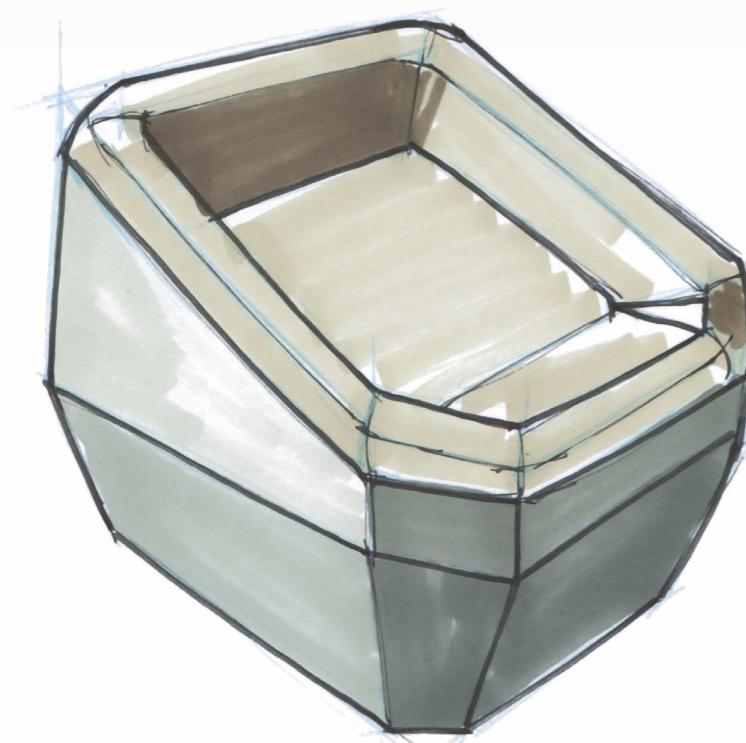
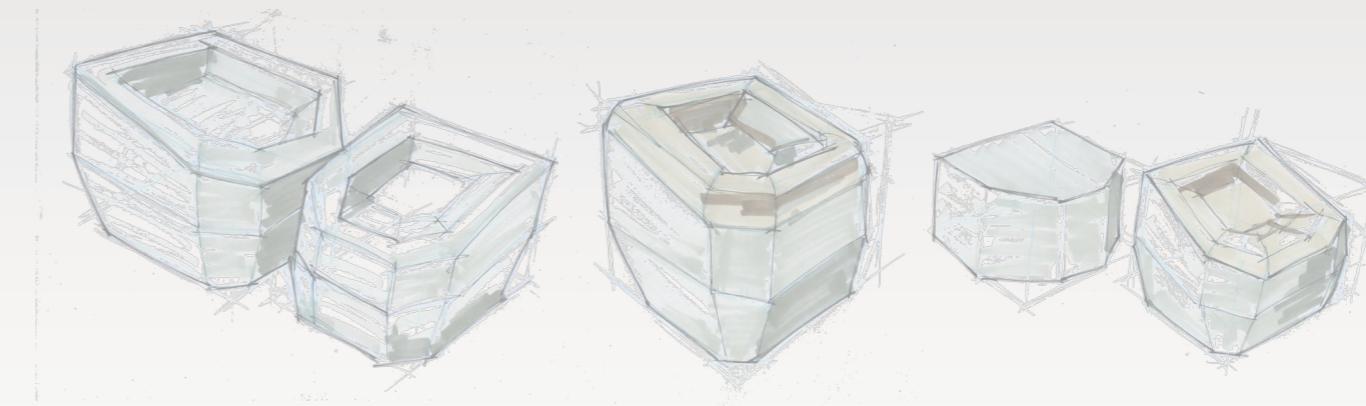
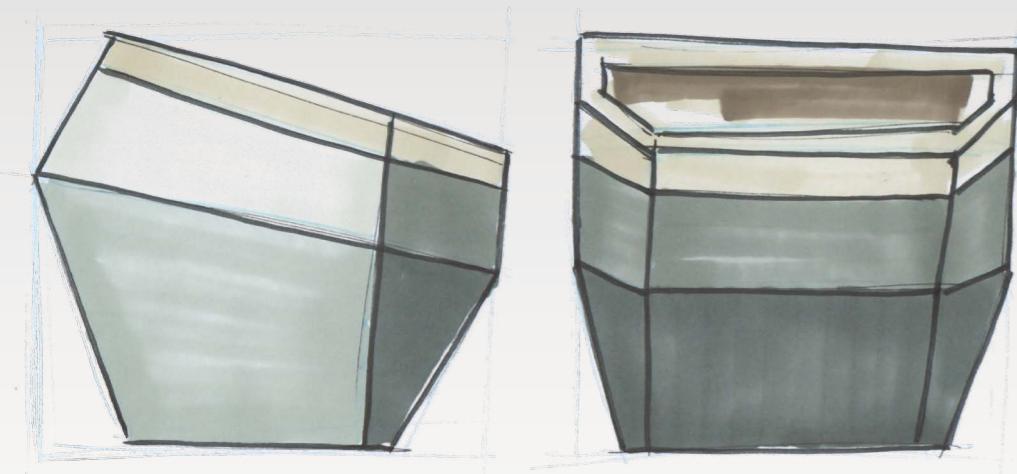


# **Drawing & Visualisation**

# Furniture Concepts 1

Pencil • Marker

Milan Momiroski



# Furniture Concepts 2

Pencil • Marker

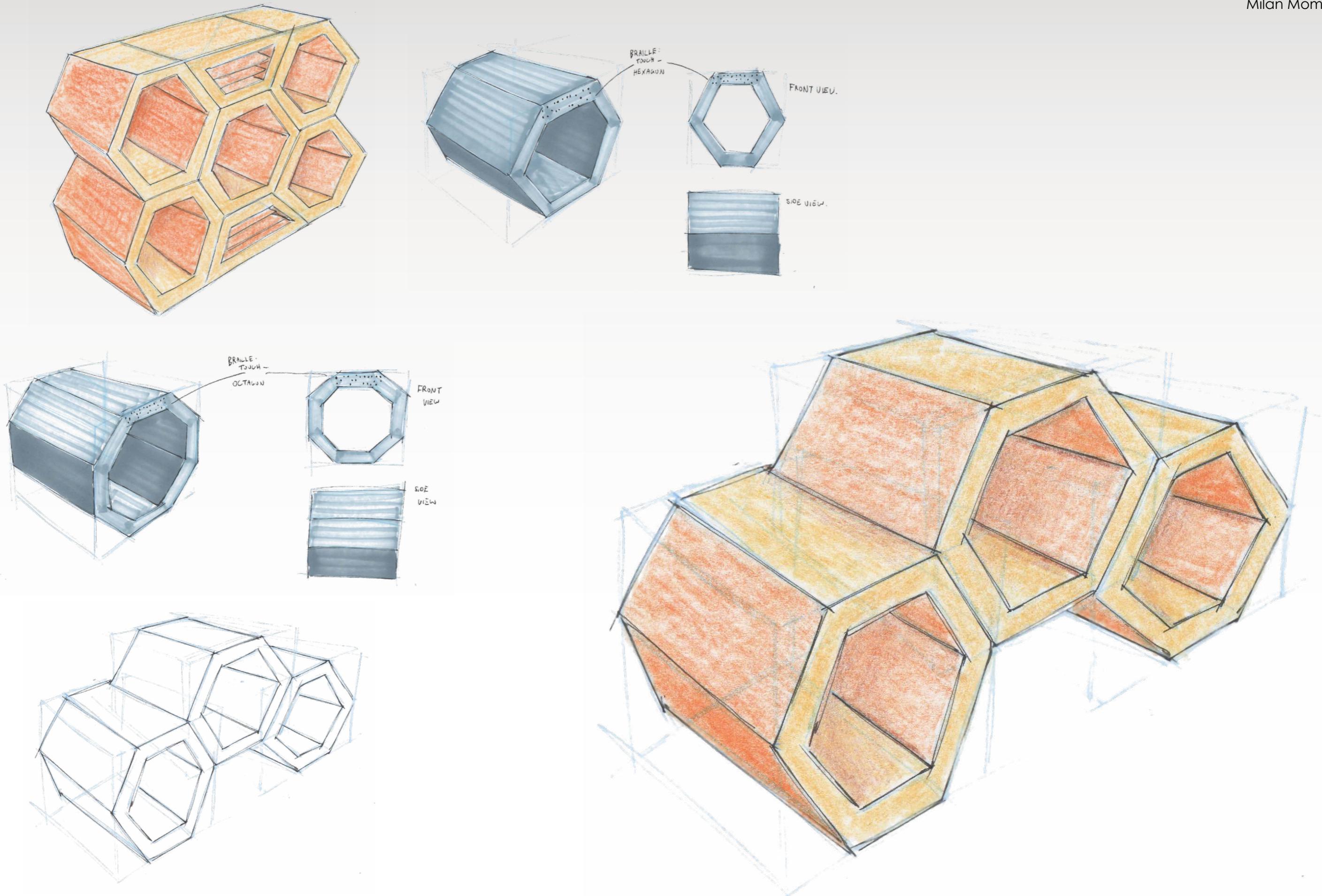
Milan Momiroski



# Braille Book Nooks Concepts

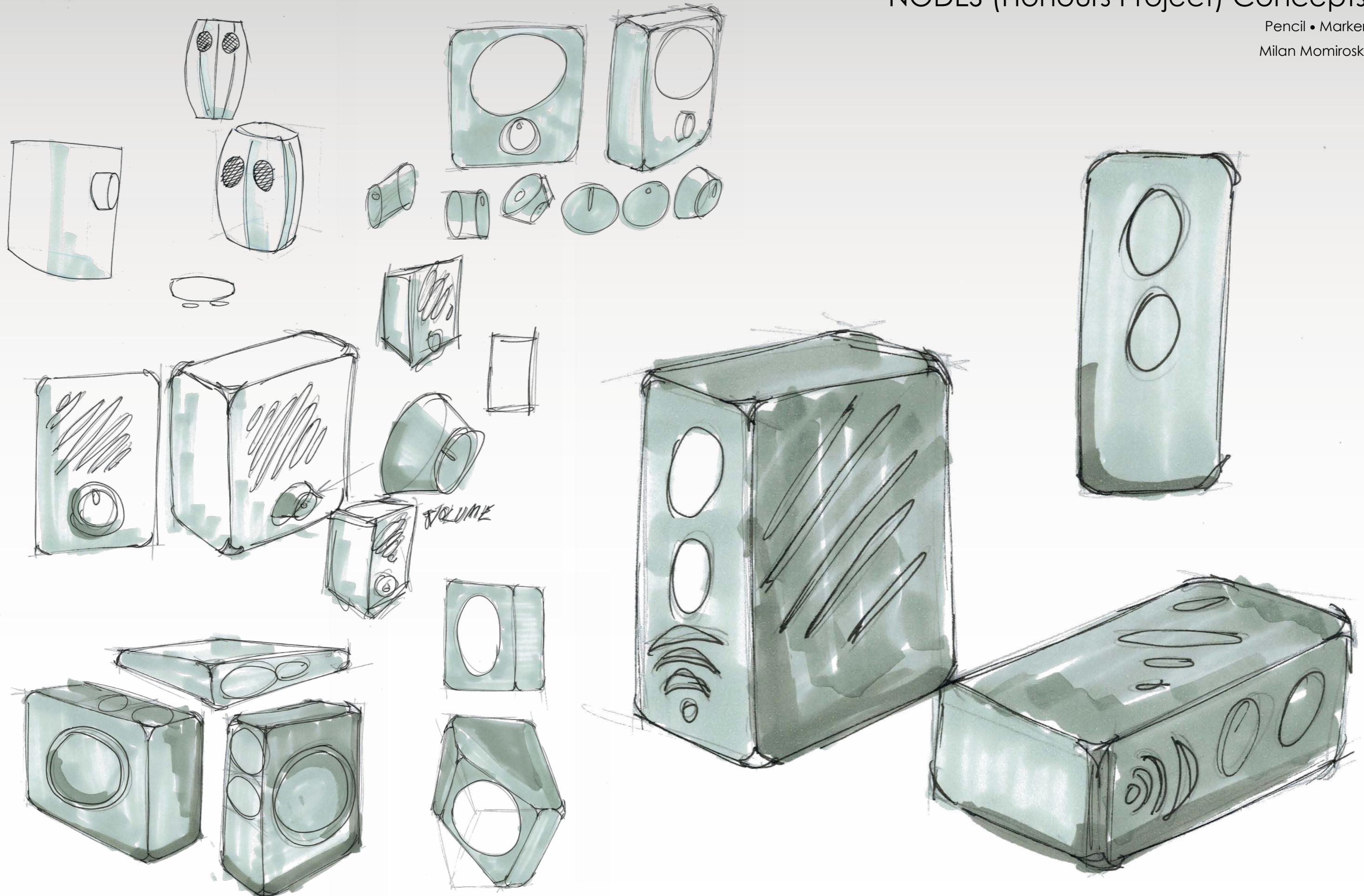
Pencil • Marker

Milan Momiroski



# NODES (Honours Project) Concepts

Pencil • Marker  
Milan Momiroski



# Landline Phone Concepts

Pencil • Marker  
Milan Momiroski

