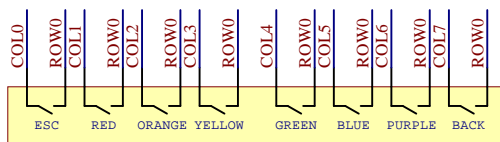
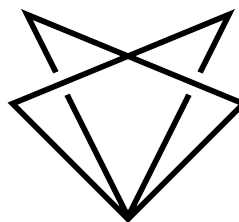
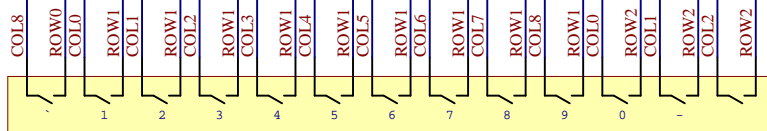


Fri3D 2024 Exp0

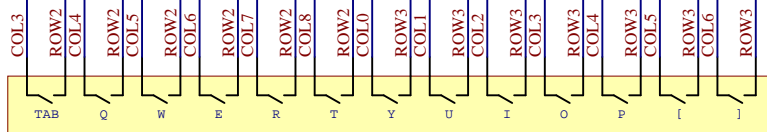
Keyboard



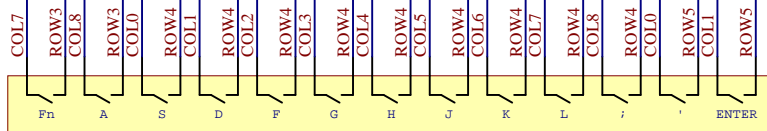
SW1A
Full QWERTY Keyboard Solder Party Dome Sheet



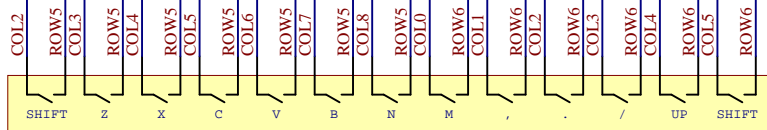
SW1B
Full QWERTY Keyboard Solder Party Dome Sheet



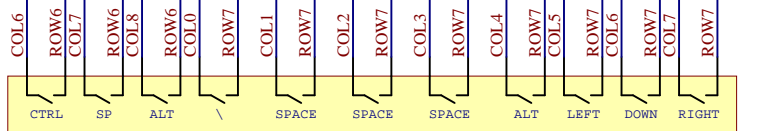
SW1C
Full QWERTY Keyboard Solder Party Dome Sheet



SW1D
Full QWERTY Keyboard Solder Party Dome Sheet

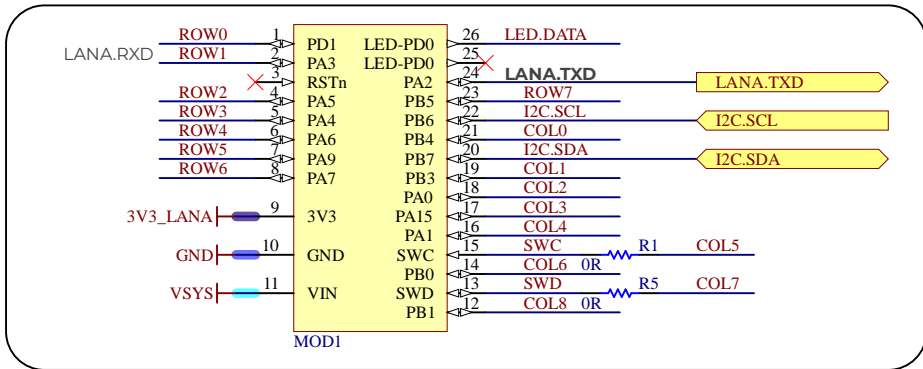


SW1E
Full QWERTY Keyboard Solder Party Dome Sheet

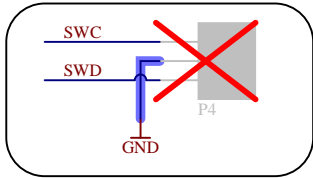


SW1F
Full QWERTY Keyboard Solder Party Dome Sheet

LANA TNY

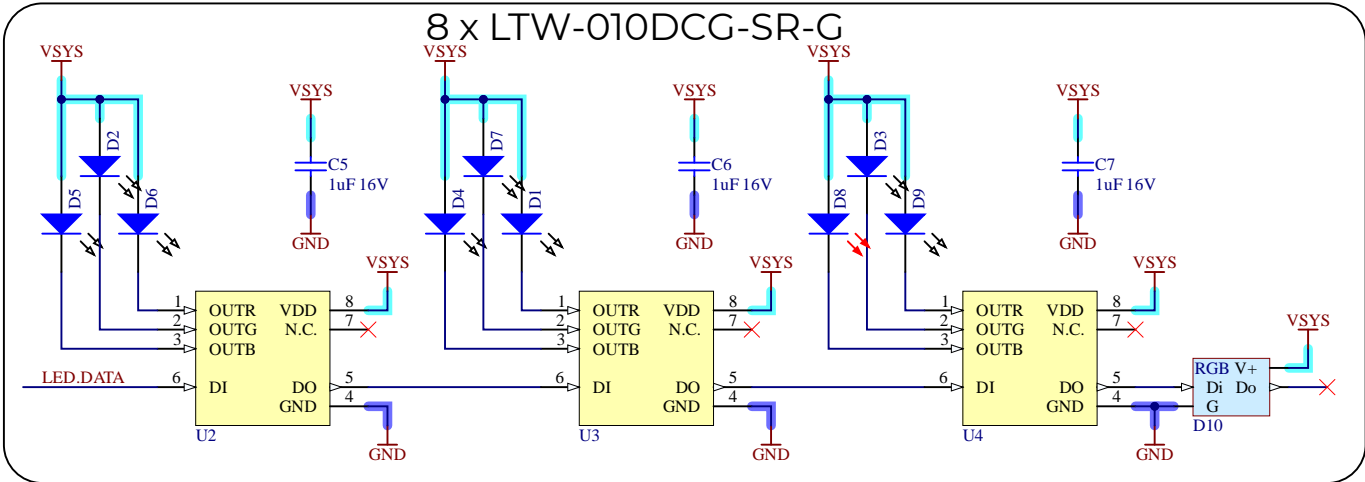


Debug



Keyboard Backlight

8 x LTW-010DCG-SR-G

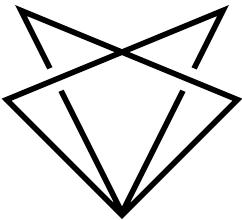
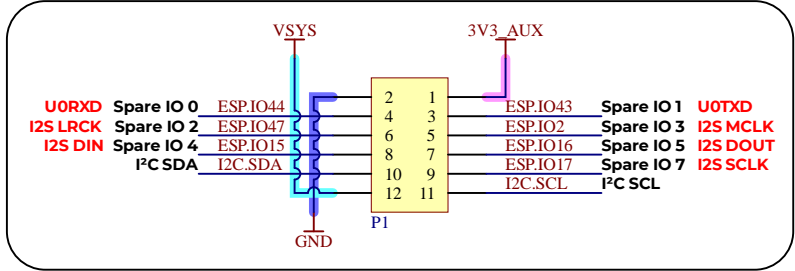


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		Date 22/06/2023	Size A3
Revision 00	Drawn By Wim Van Gool		Sheet 1 of 4

Fri3D 2024 Exp0

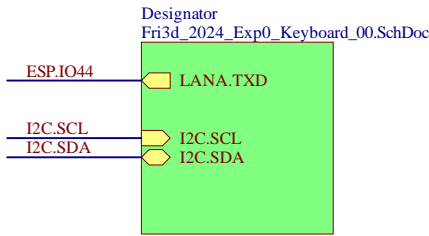
Exp0

Expansion Connector

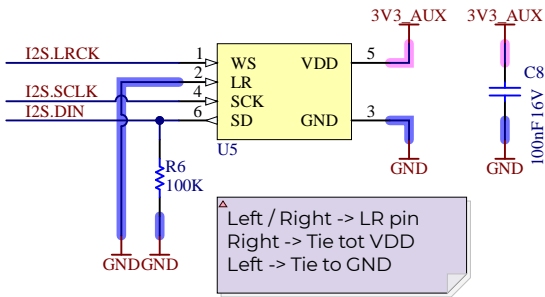


TH male pins, length?! C51353

ESP.IO47	I2S_LRCK
ESP.IO15	I2S_DIN
ESP.IO16	I2S_DOUT
ESP.IO2	I2S_BCK
ESP.IO17	I2S_SCLK



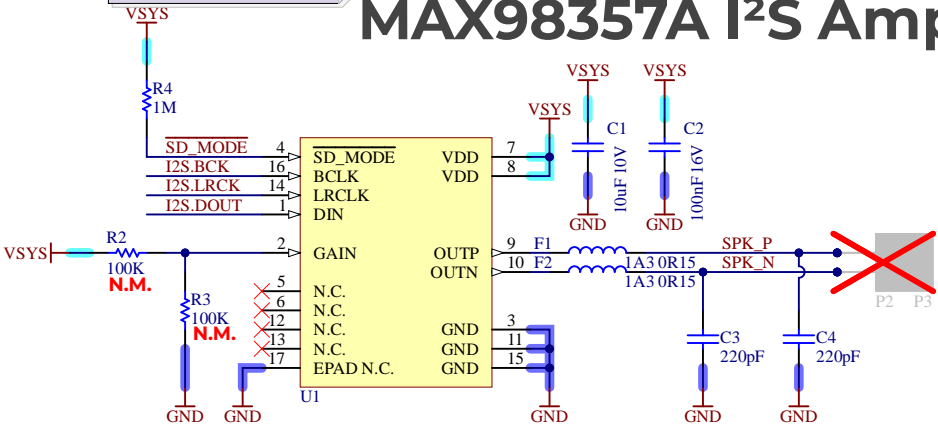
ICS43434 Microphone



Gain setting : GAIN pin
18dB -> PD 100kΩ
12dB -> Tie to GND
9dB -> N.C.
6dB -> Tie tot VDD
3dB -> PU 100kΩ

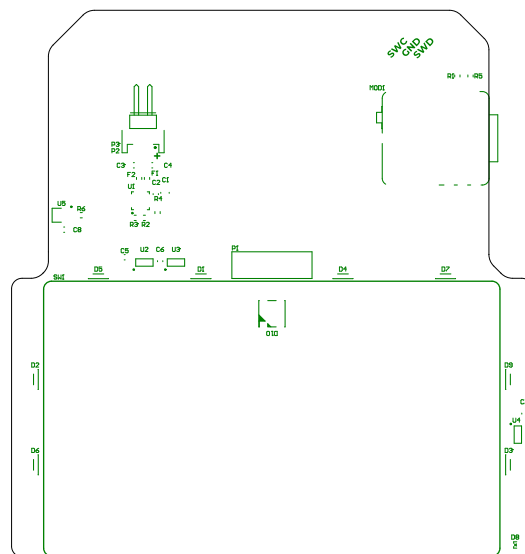
Channel Selection: SD MODE pin
Left -> Tie tot VDD
Right -> PU 370kΩ
Left/2 + Right/2 -> PU 1MΩ

MAX98357A I²S Amplifier

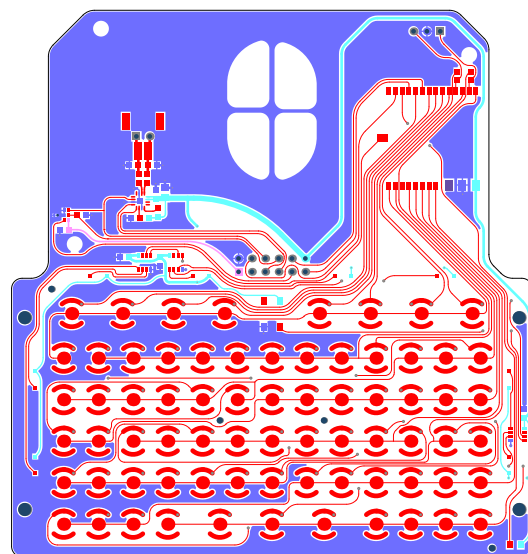


C7507398 Speaker?

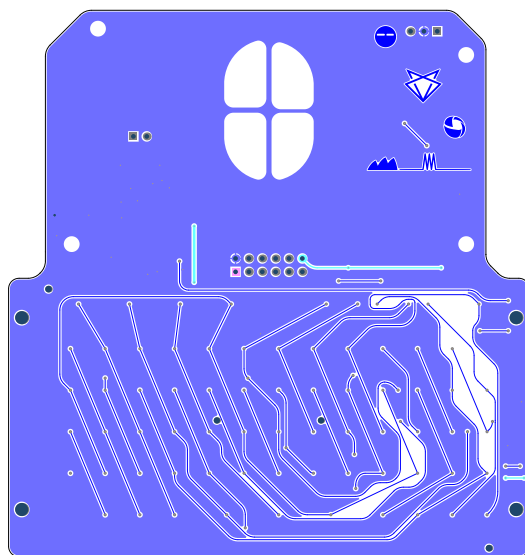
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	Exp0	
	Date	22/06/2023
	Size	A3
Revision	00	Drwnw By Wim Van Gool
		Sheet 1 of 4



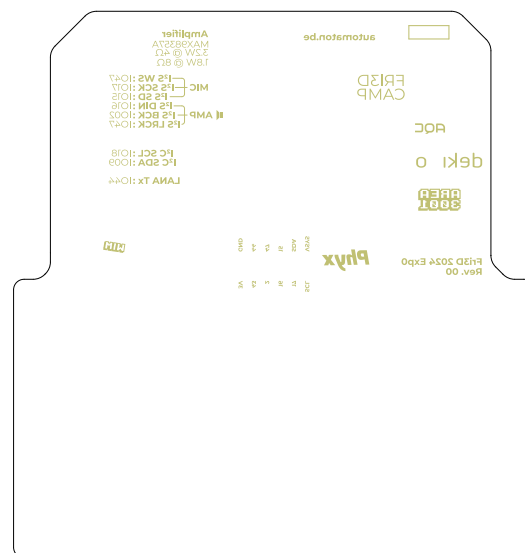
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	Layer Name	
	Top Overlay	
Desginer WimVG	Date	Rev
	18/02/2024	00
Document		
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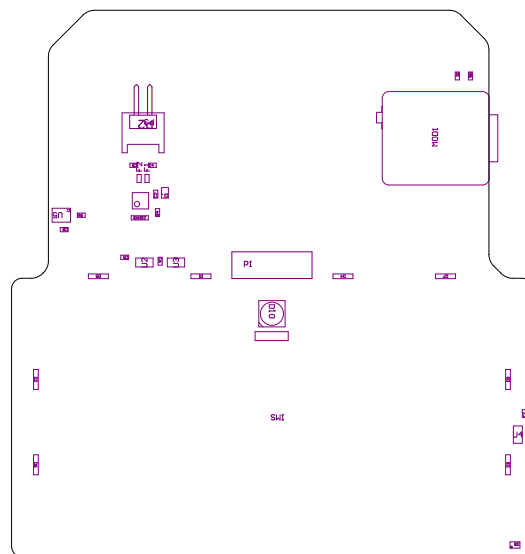
Phyx	Document	
	Fri3D 2024 Exp0	
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	Date	Rev
	18/02/2024	00
Desginer	Document	
WimVG	Fri3d_2024_Exp0_00.PcbDoc	



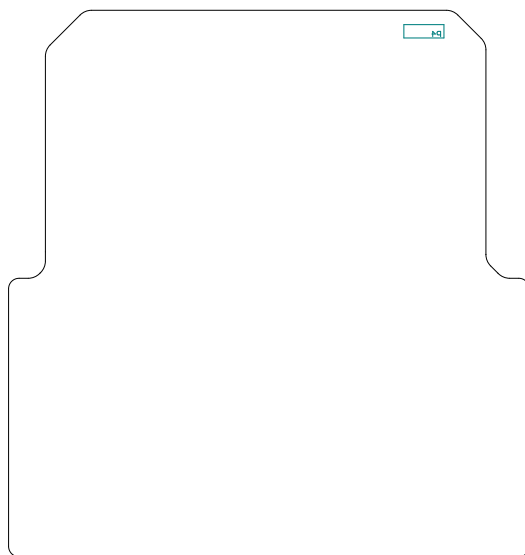
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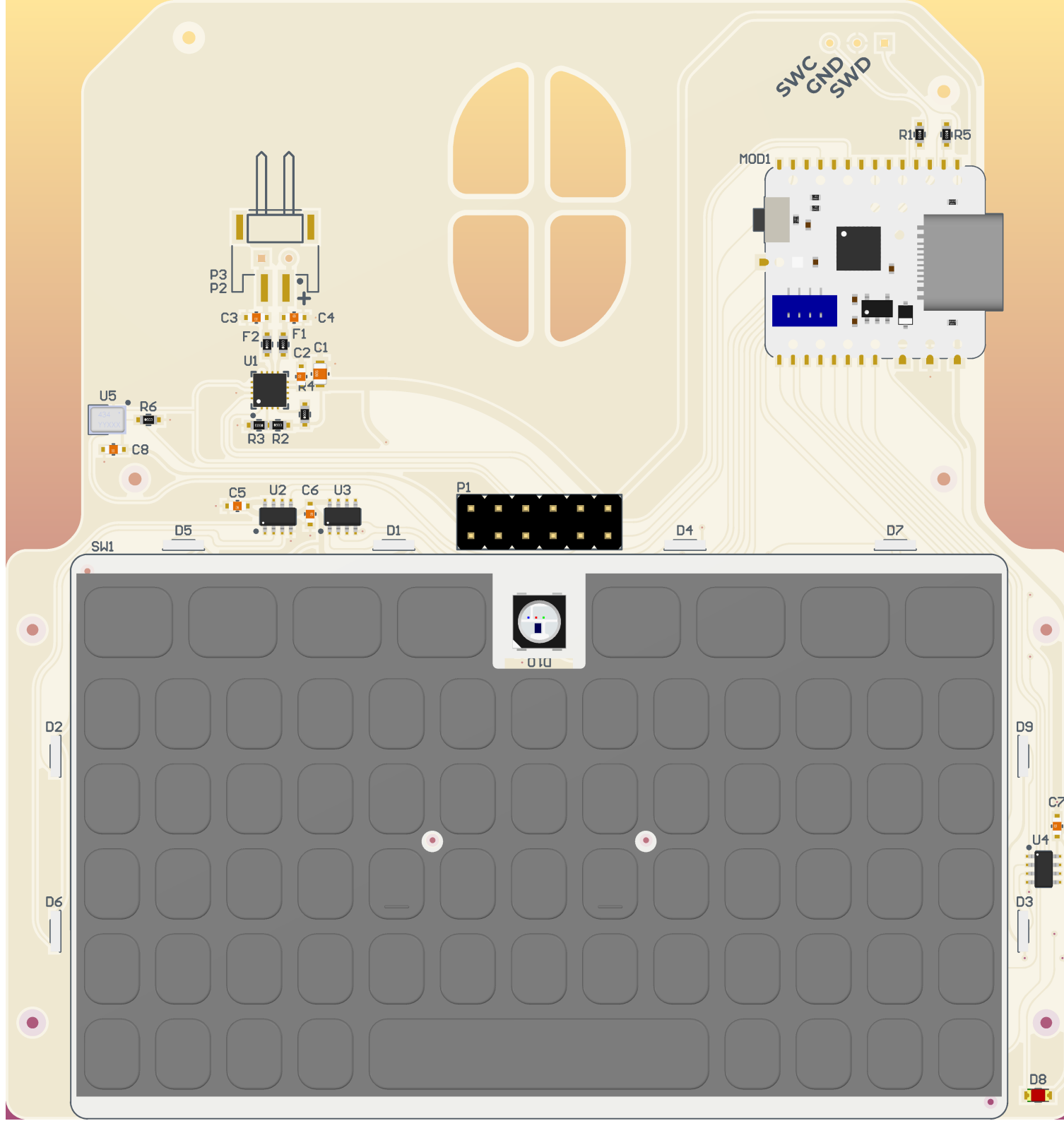
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	Layer Name Bottom Overlay	
Designer WimUG	Date	Rev
	18/02/2024	00
Document Fri3d_2024_Exp0_00_PcbDoc		



<div>Phyx</div> <div>DESIGN</div>	Document	
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	Layer Name	
	Top Assembly	
Designer WimVG	Date	Rev
	18/02/2024	00
Document		
Fri3d_2024_Exp0_00.PcbDoc		



	Document	
	Fri3D 2024 Exp0	
	Layer Name	
	Bottom Assembly	
	Date	Rev
	18/02/2024	00
Designer		Document
WimVG		Fri3d_2024_Exp0_00.PcbDoc





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FRI3D
CAMP



dekiMo

AREA
3001

Fri3D 2024 Exp0
Rev. 00

Phyx

	VSYS	SDA	15	47	44	GND
SCL	17	16	2	43	3V	

Amplifier

MAX98357A

3.2W @ 4Ω

1.8W @ 8Ω

MIC { I²S WS : IO47
I²S SCK : IO17
I²S SD : IO15

AMP { I²S DIN : IO16
I²S BCK : IO02
I²S LRCK : IO47



I²C SCL : IO18

I²C SDA : IO09

LANA Tx : IO44

WIM