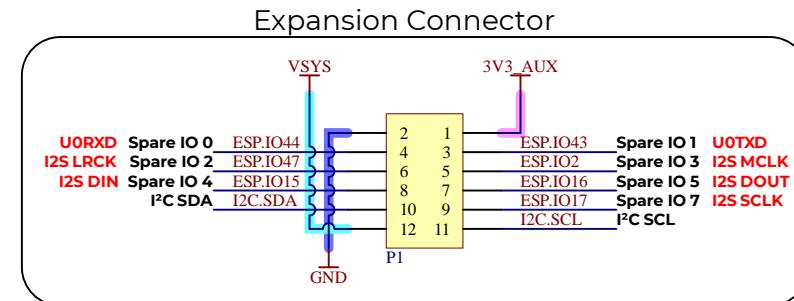


Rev. 00 : Initial release
Rev. 01 : Production version

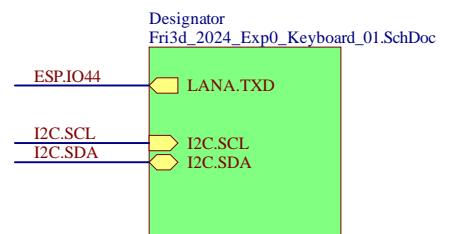
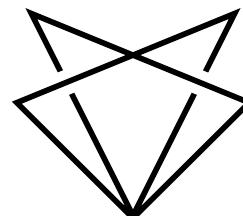
Fri3D 2024 Exp0

Communicator Add-On

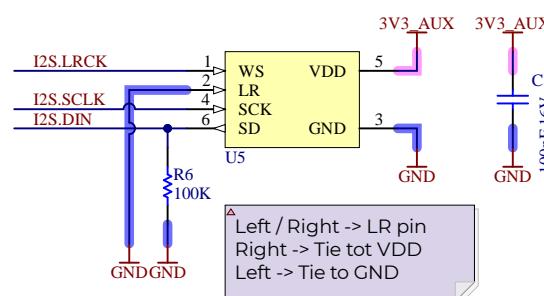


C51353 ➡ only 1/3 needed per board

ESP.IO47 I2S.LRCK
ESP.IO15 I2S.DIN
ESP.IO16 I2S.DOUT
ESP.IO2 I2S.BCK
ESP.IO17 I2S.SCLK



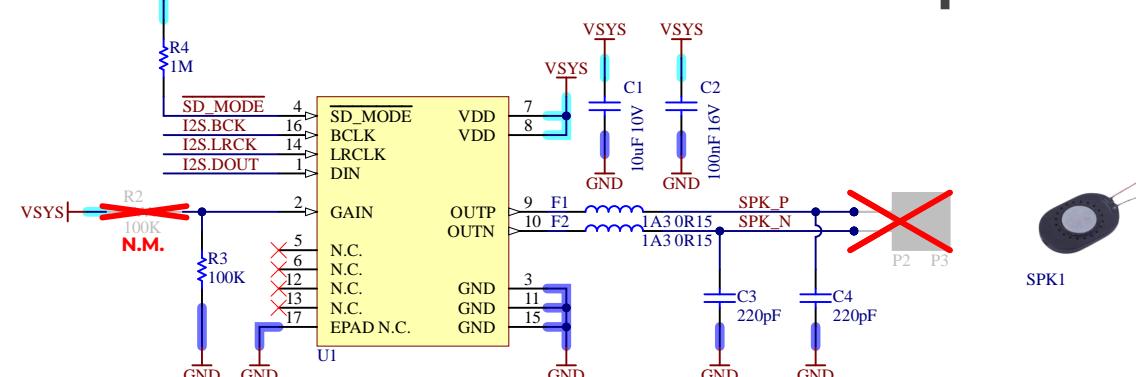
ICS43434 Microphone



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

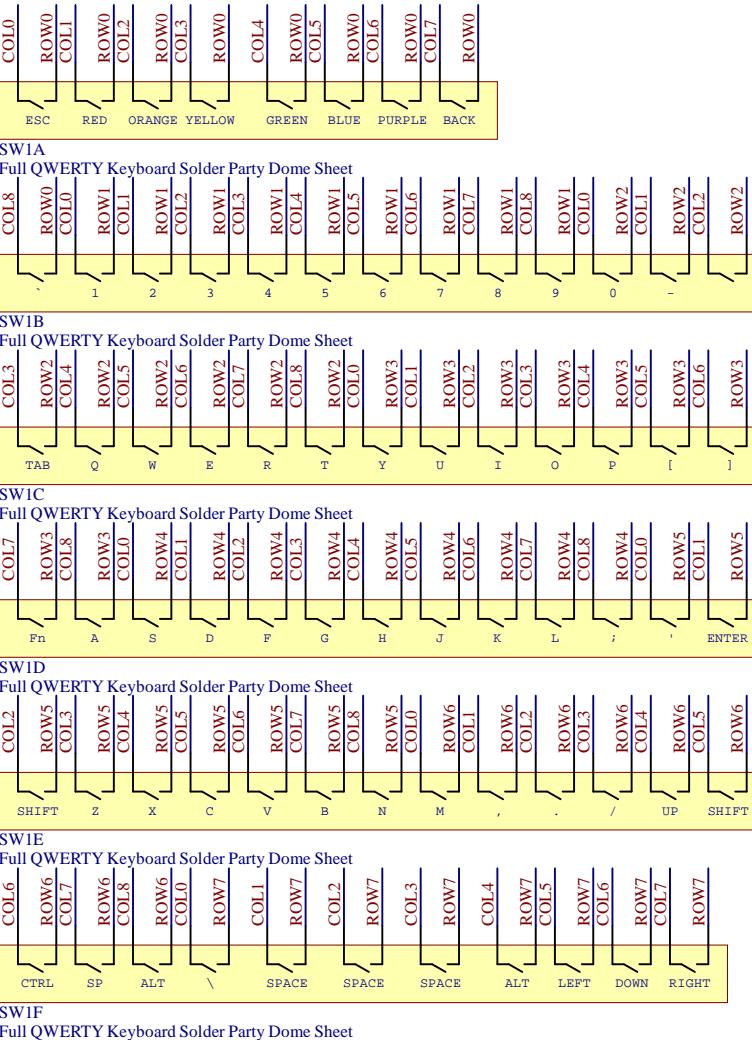
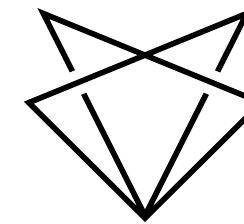
MAX98357A I²S Amplifier



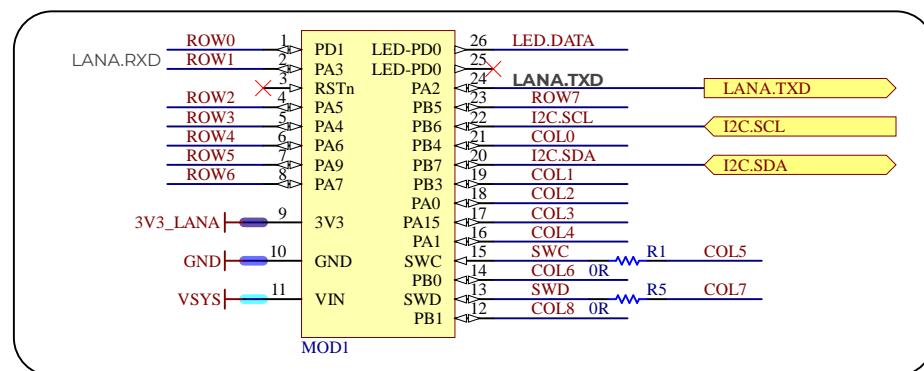
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Revision	01	Draan By	Wim Van Gool
Sheet	1	of	2

Fri3D 2024 ExpO

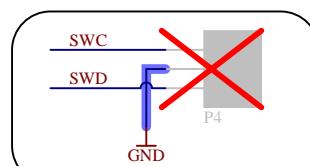
Keyboard



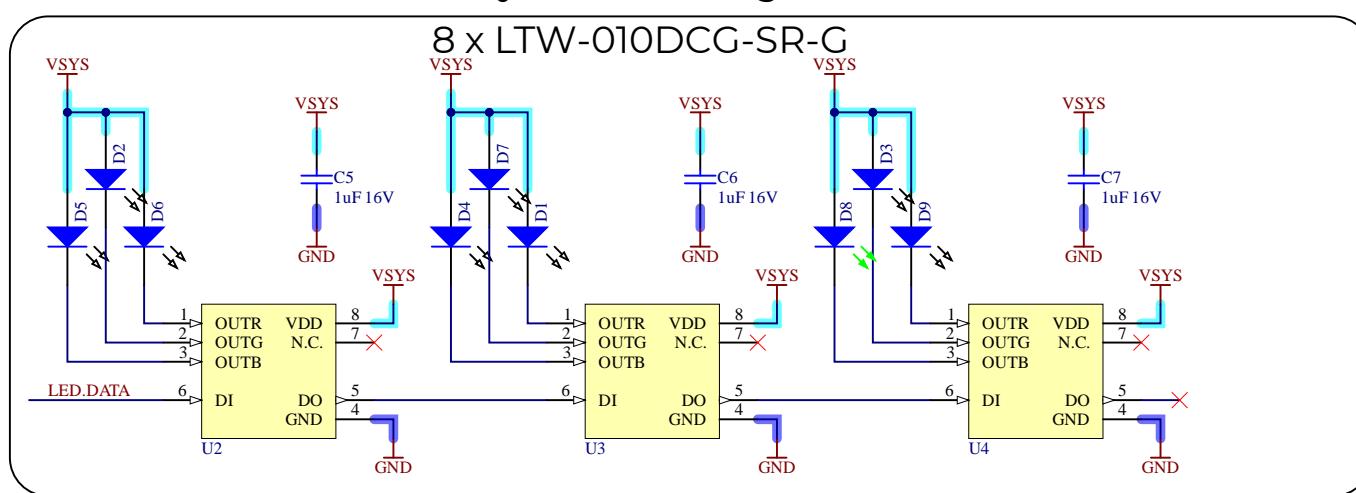
LANA TNY



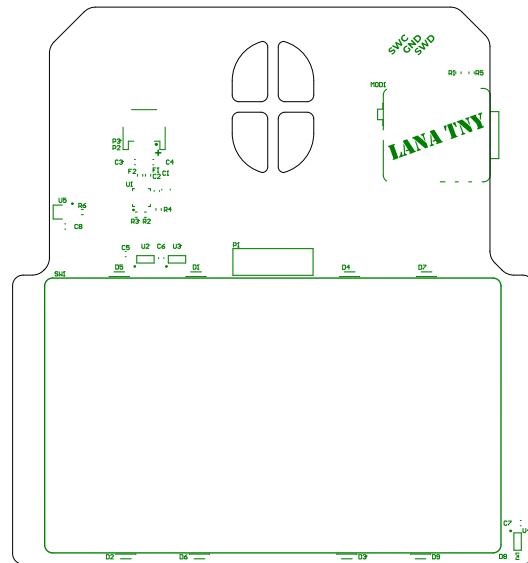
Debug



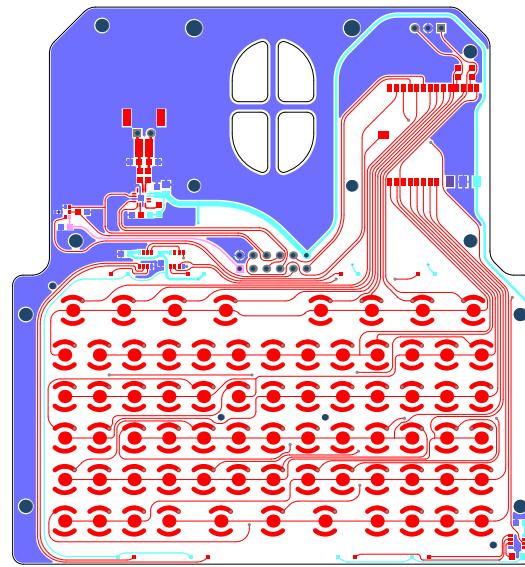
Keyboard Backlight



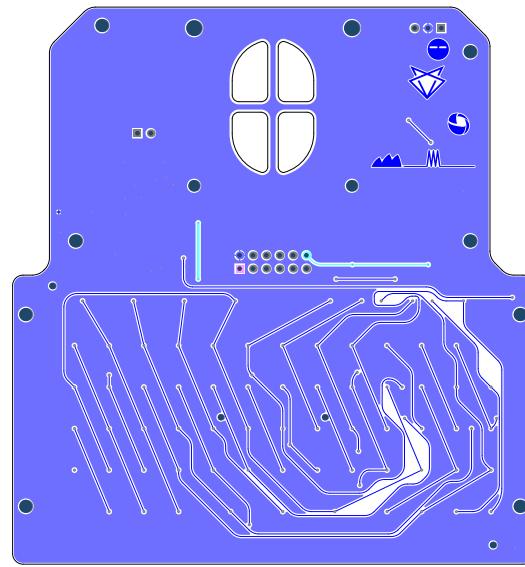
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		Keyboard
Date	18/06/2024	Size
Revision	01	A3
Drawn By	Wim Van Gool	Sheet 2 of 2



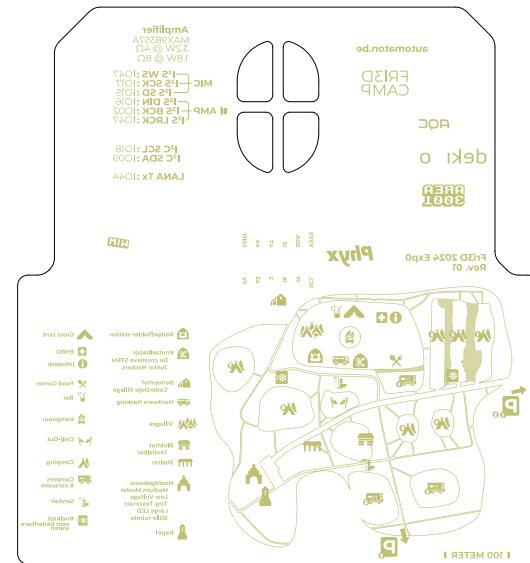
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Designer WimUG	Document Fri3d_2024_Exp0_01.PcbDoc



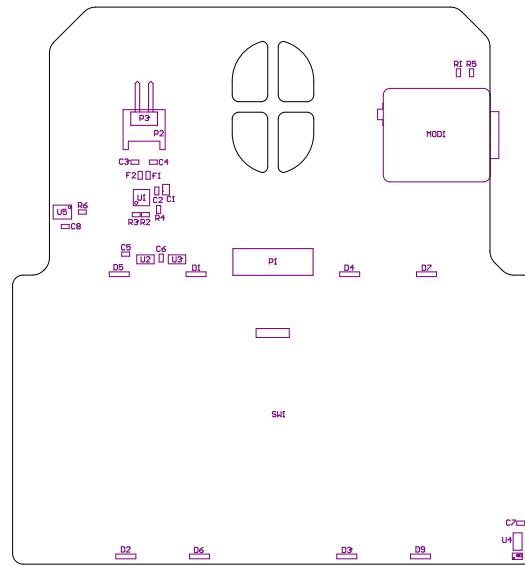
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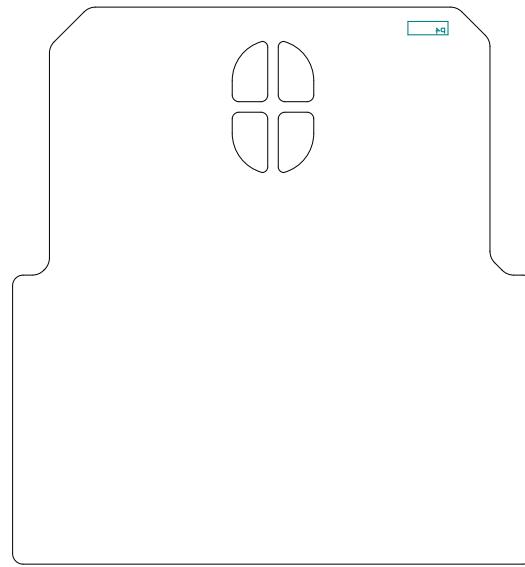
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Date 25/06/2024	Rev 01
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Date	25/06/2024
Rev	01
Designer	WimUG
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	Date 25/06/2024
	Rev 01
Designer WimUG	Document Fri3d_2024_Exp0_01.PcbDoc



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Date	Rev
25/06/2024	01
Designer WimUG	Document Fri3D_2024_Exp0_01.PcbDoc

