

M1 M2 M3 M4
Solderable Standoff Nuts (M3 3mm)

Title **Acquisition-System**
Subtitle **Overview**

Author: *Florian Baumgartner & Alain Keller*

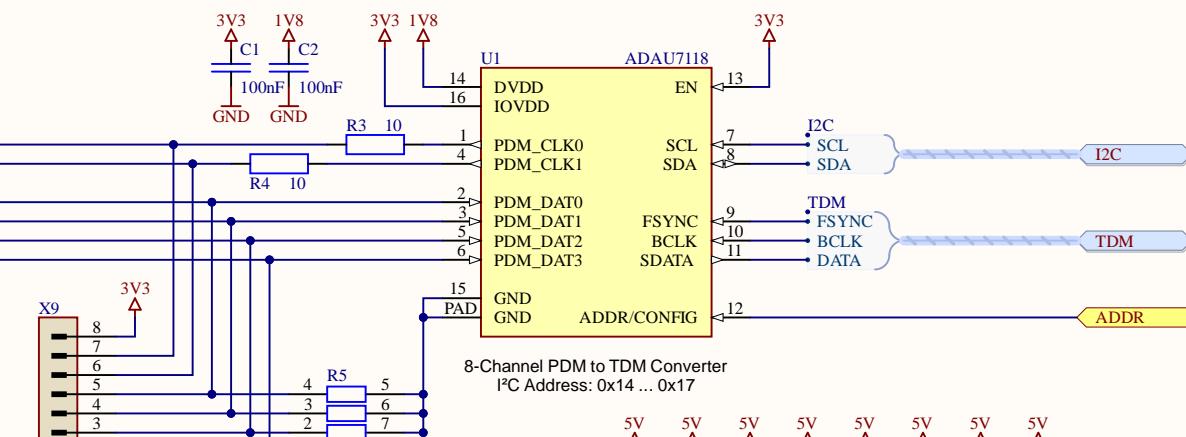
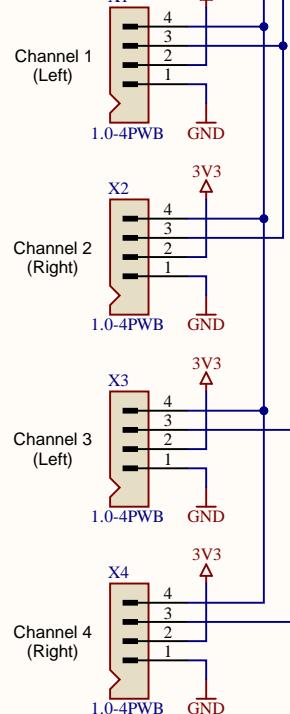
Date: *07.10.2023*

Rev: *V1.0*

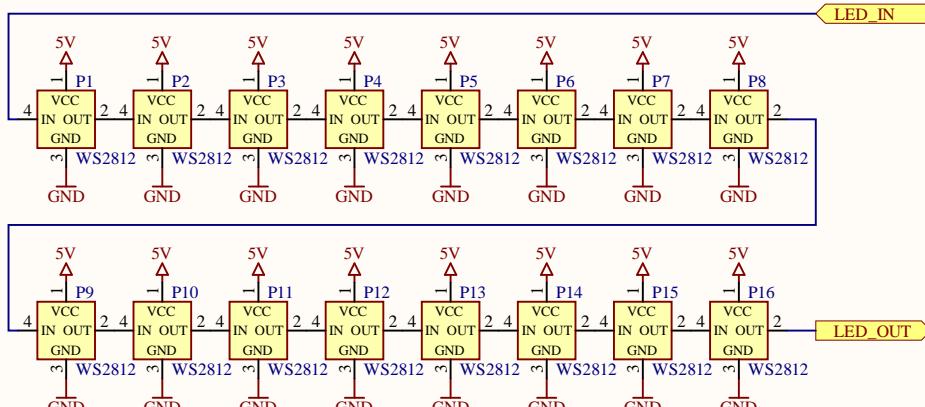
File: *Acquisition-System_V1.0.SchDoc*



Matching Connector:
Adafruit Qwiic Type
(JST SH 4-Pin, 1mm)



External Pin-Header



Title **Acquisition-System**
Subtitle **PDM-Microphone Input**

Author: **Florian Baumgartner & Alain Keller**

File: **Acquisition-System_V1.0_Input.SchDoc**



Date: **07.10.2023**

Rev: **V1.0**

Sheet **2 of 5**

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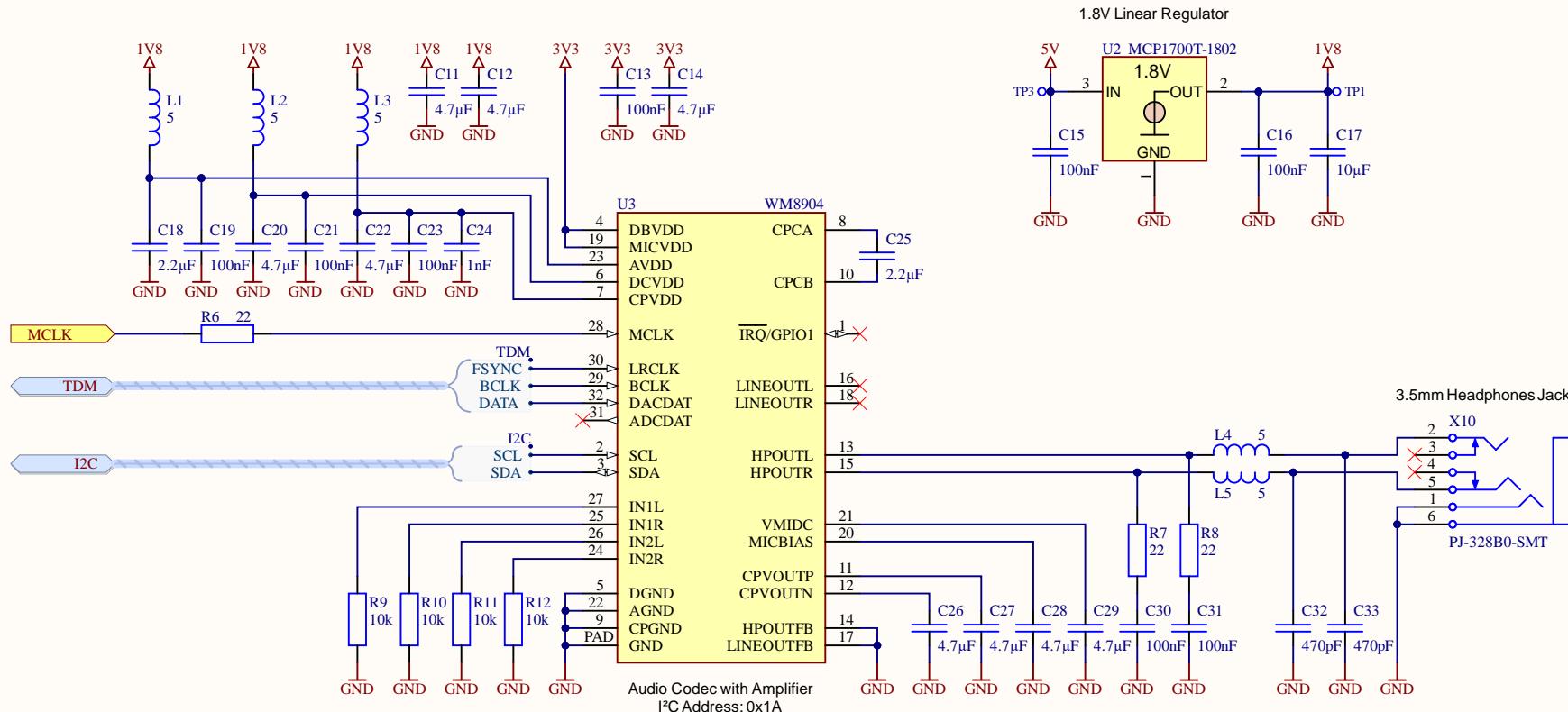
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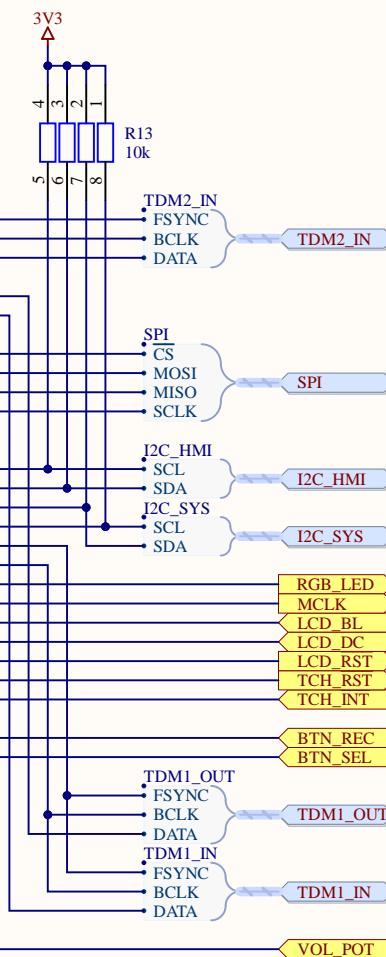
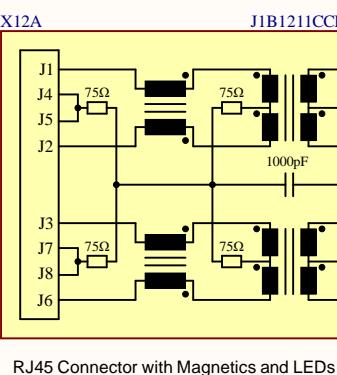
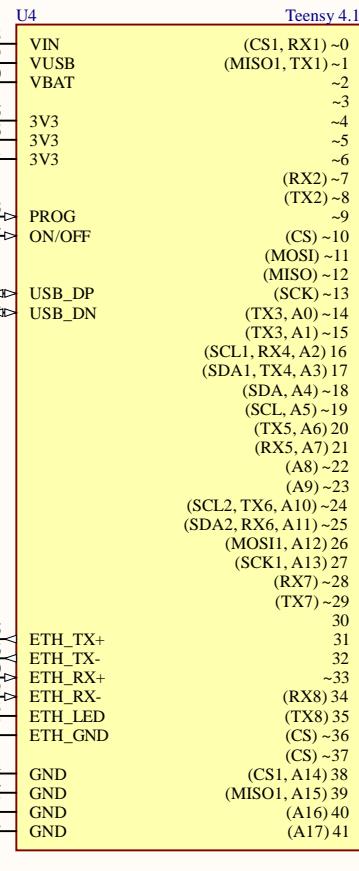
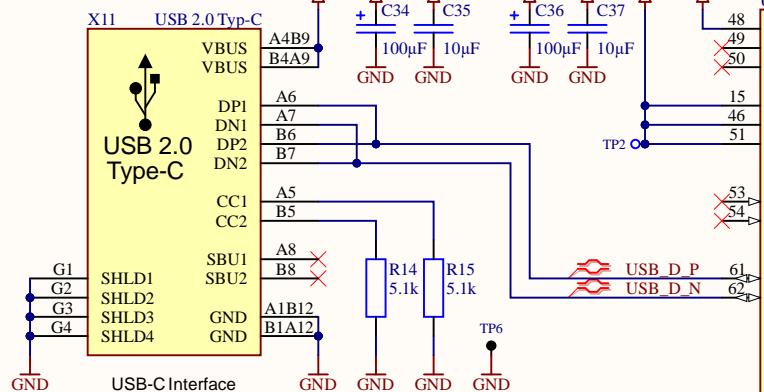
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Acquisition-SystemSubtitle **Headphones Output**Author: **Florian Baumgartner & Alain Keller**File: **Acquisition-System_V1.0_Headphones.SchDoc**Date: **07.10.2023**Rev: **V1.0**

Sheet 3 of 5

A

△ Pogo-Pins for USB-Connection (2x):
 Type: P19-2221 (Ø1.5mm, 17.04mm)
 Digikey: 952-2604-ND
 Mouser: 855-P19-2221
 Farnell: 9960171



Title

Acquisition-System

Subtitle MCU

Author: Florian Baumgartner & Alain Keller

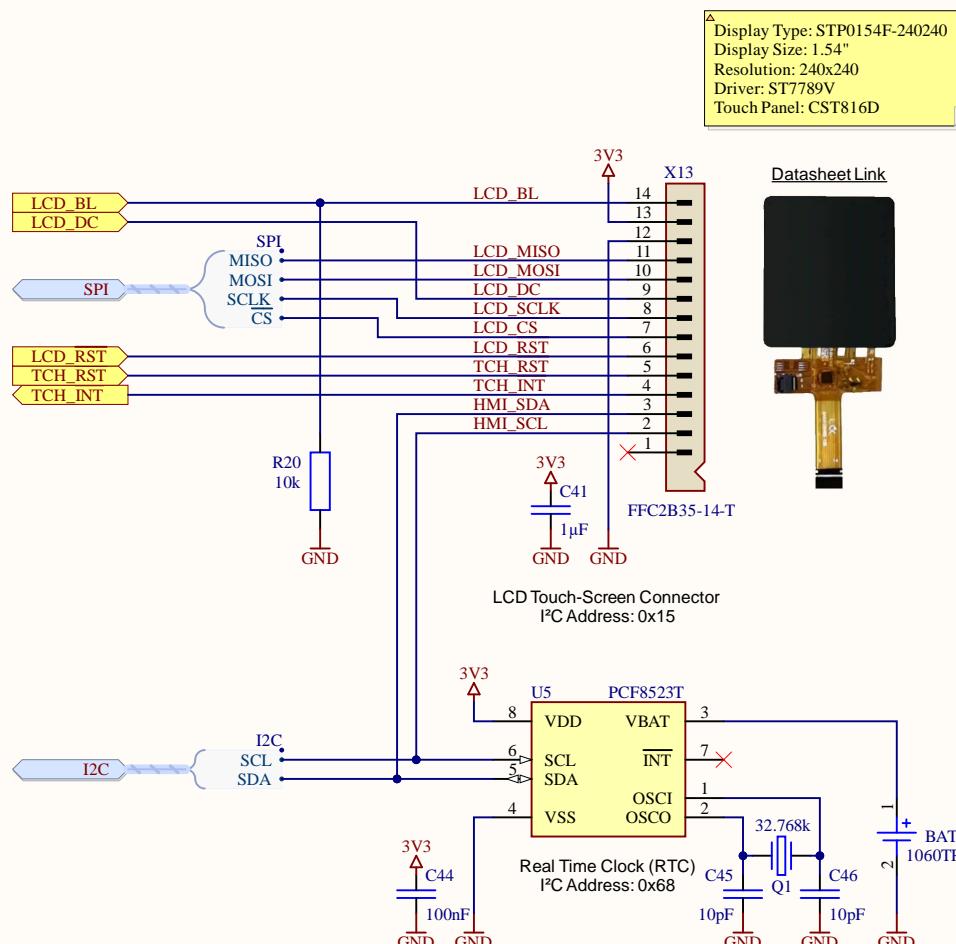
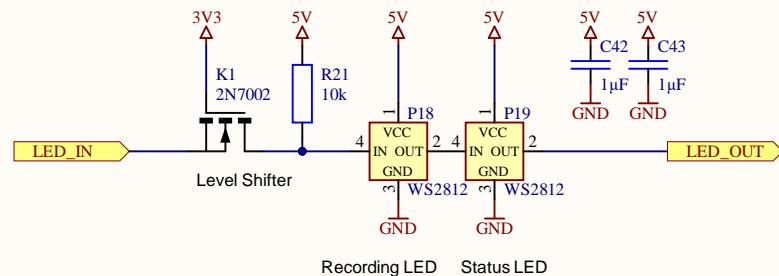
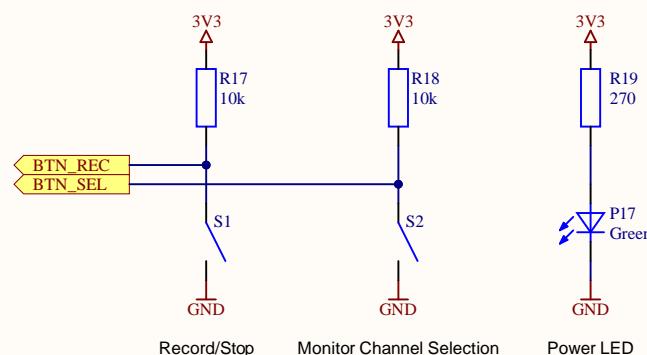
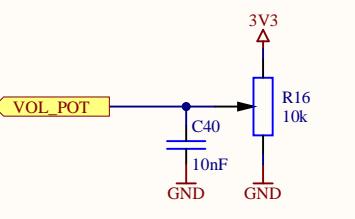
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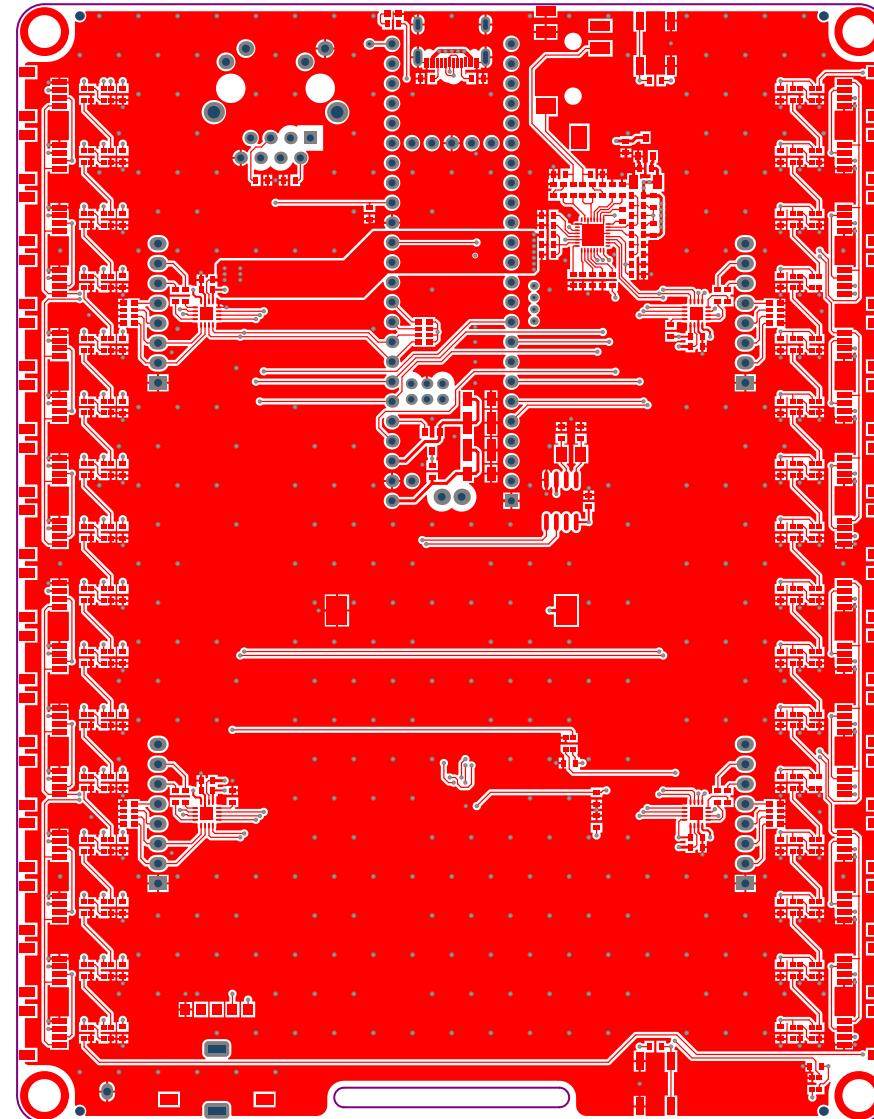
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Sheet 4 of 5



Display Type: STP0154F-240240
Display Size: 1.54"
Resolution: 240x240
Driver: ST7789V
Touch Panel: CST816D





ENGINEER:
Florian Baumgartner

PCB DESIGNER:
Florian Baumgartner

DATE:
02.10.2023

FILE NAME:
Acquisition-System_V1.0.PcbDoc

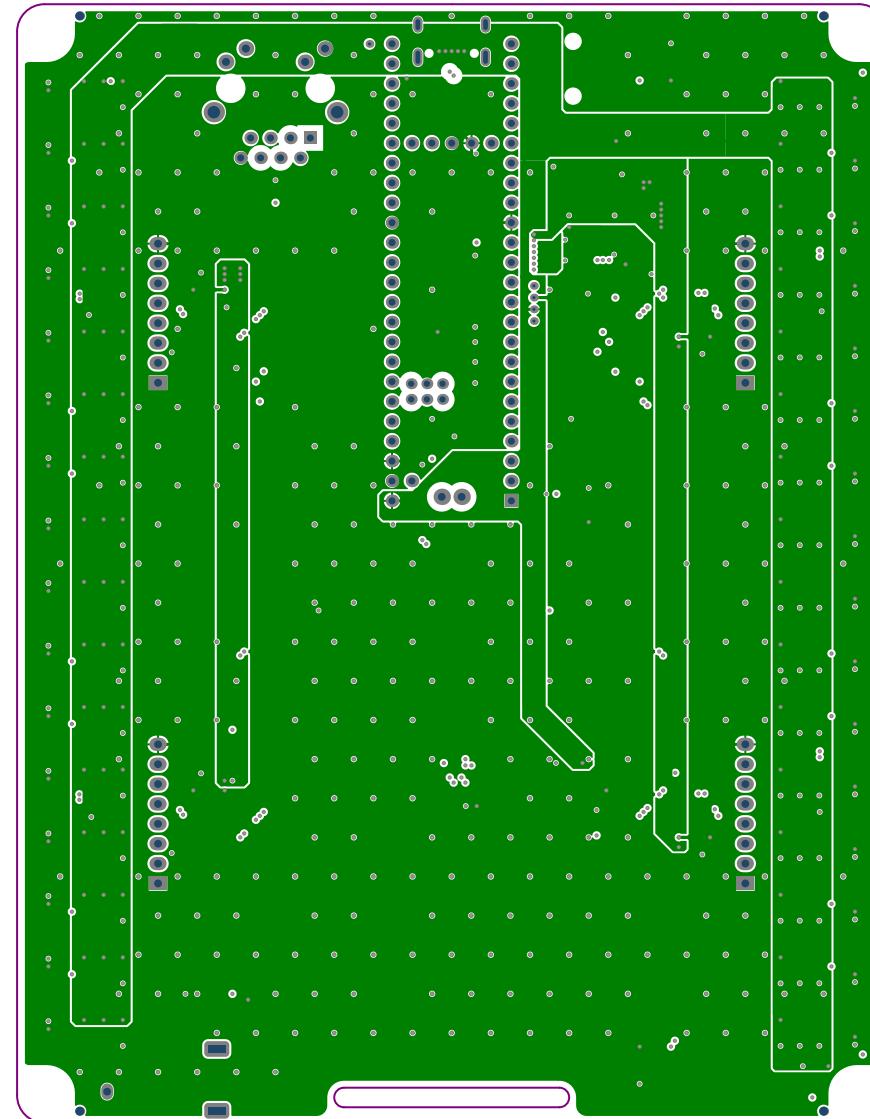
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DWG NO.:
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REV:
V1.1

SCALE:
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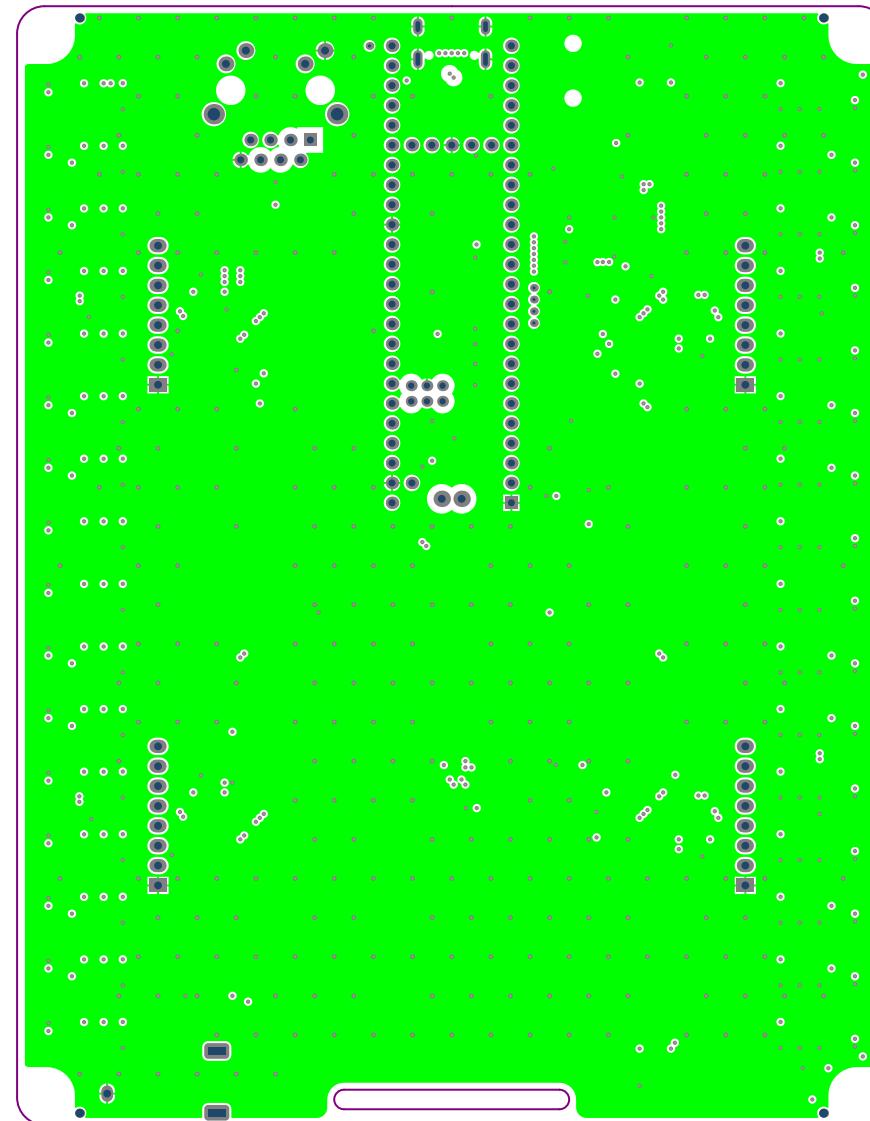
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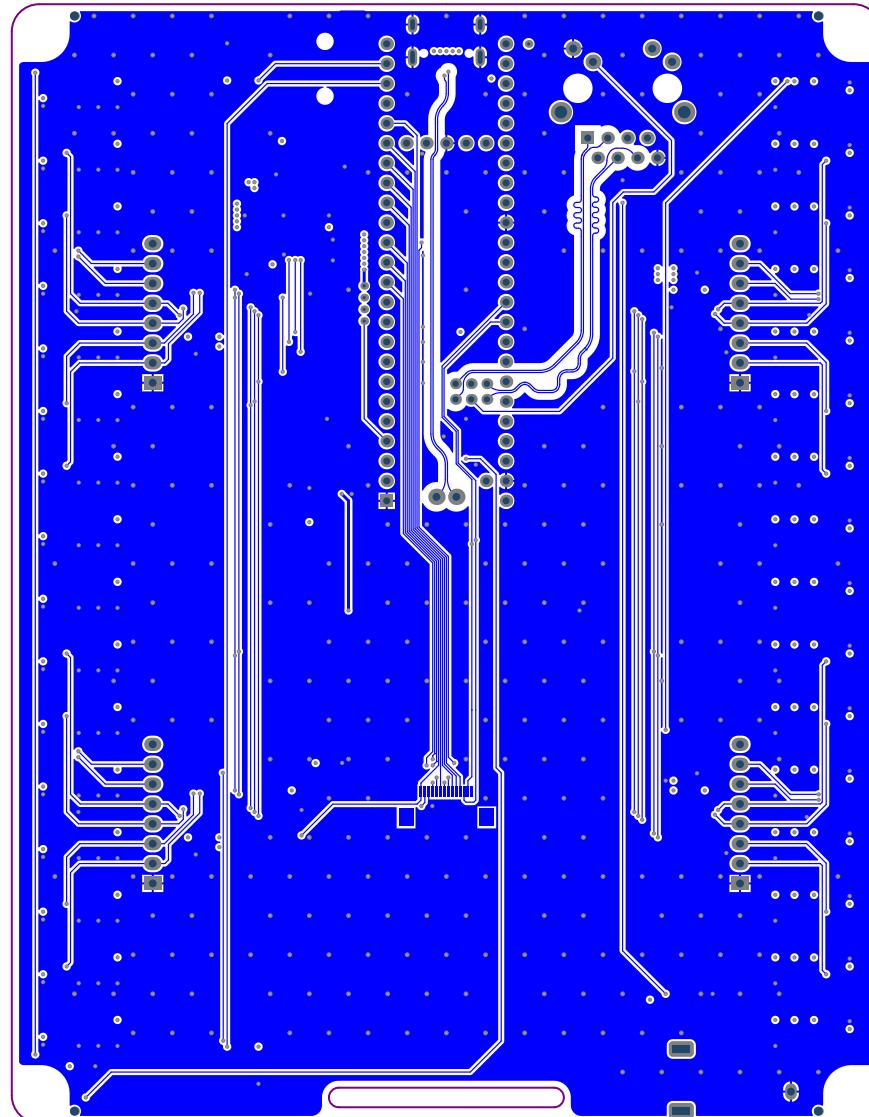
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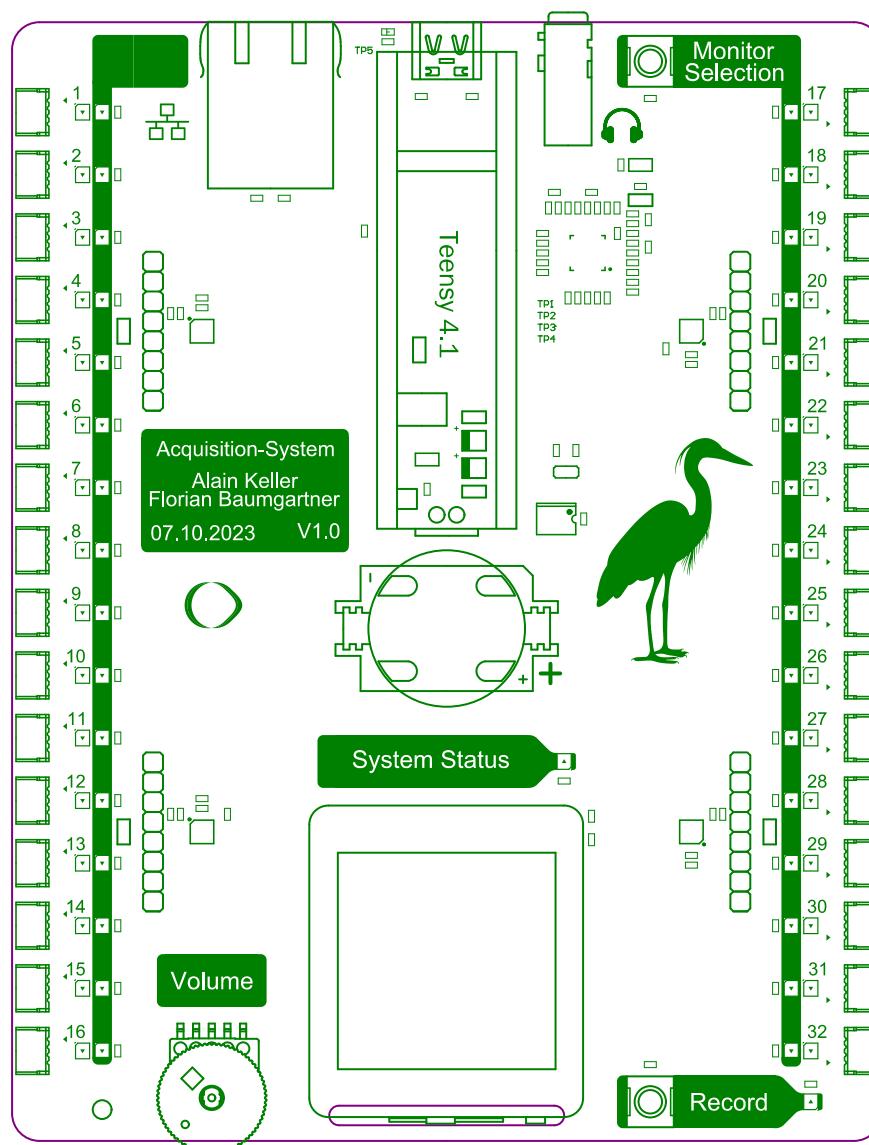
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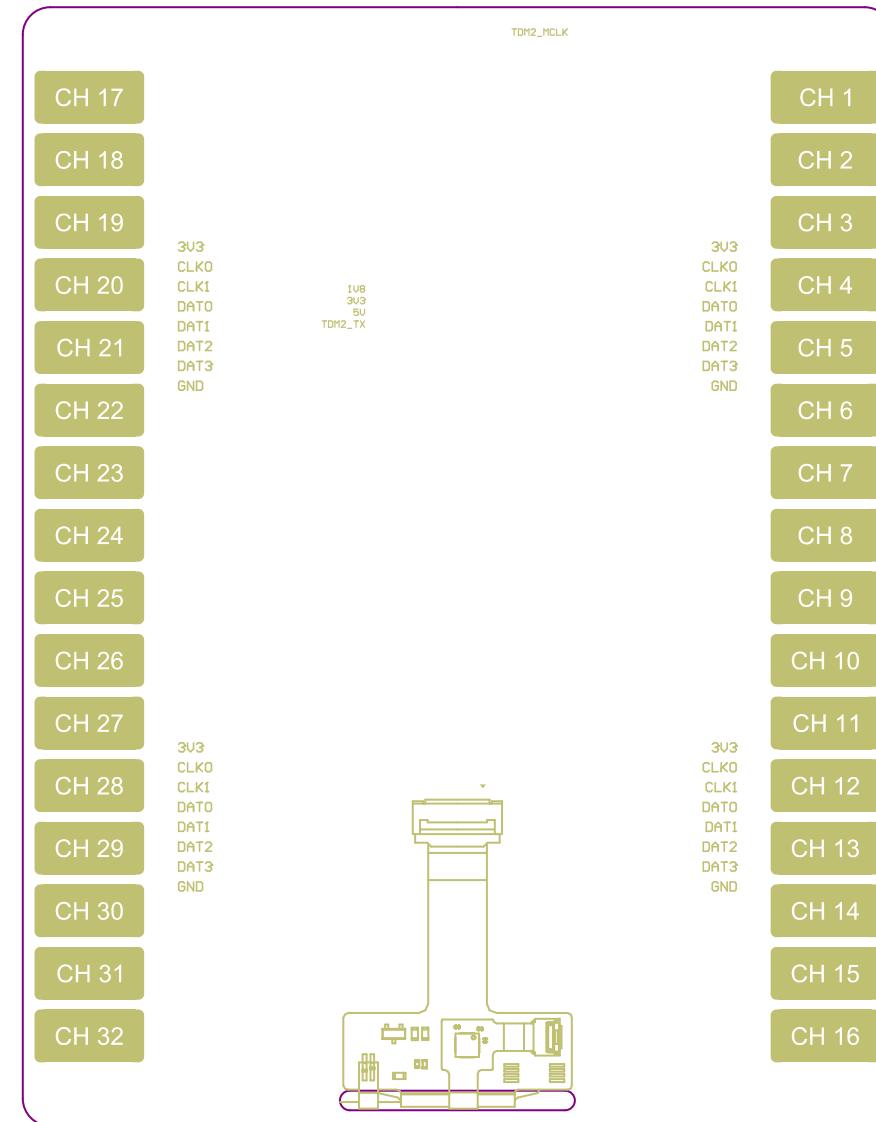
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