

Solderable Standoff Nuts (M3 3mm)

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

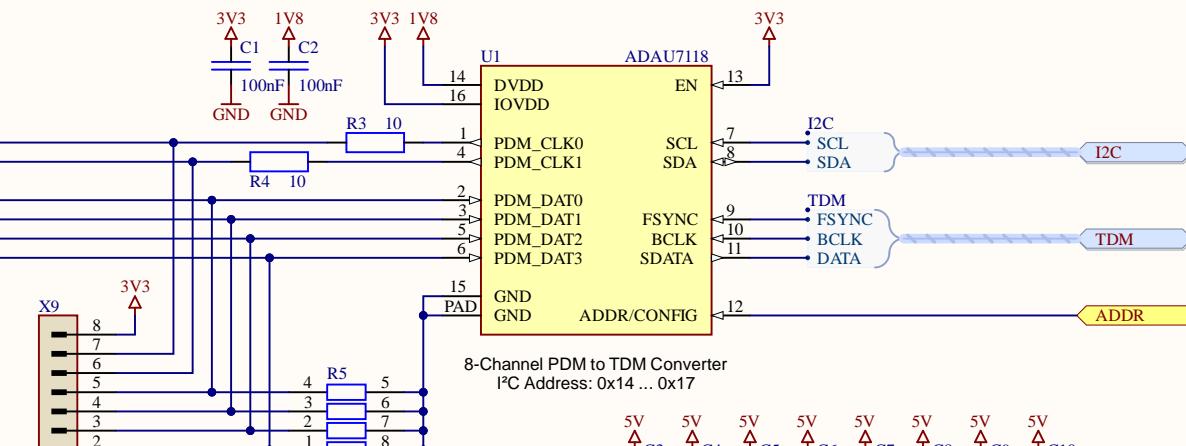
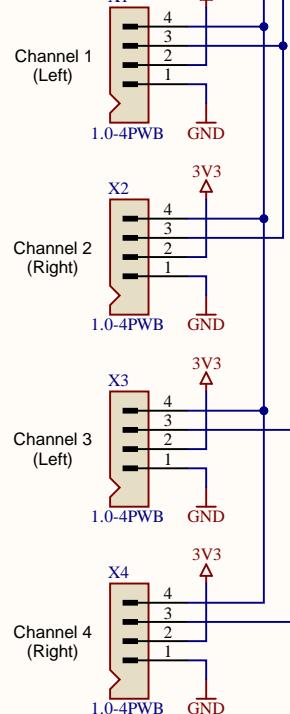
Author: *Florian Baumgartner & Alain Keller*File: *Acquisition-System_V1.0.SchDoc*

Date: 08.01.2024

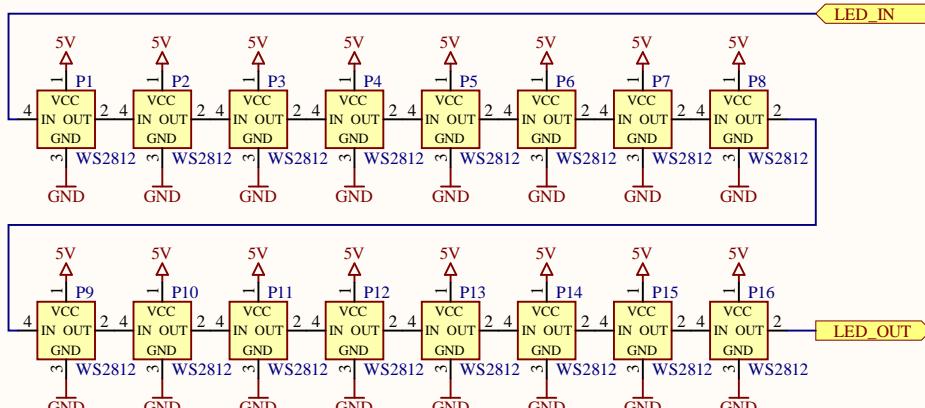
Rev: V1.0

Sheet 1 of 5

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



External Pin-Header



Acquisition-System

Subtitle PDM-Microphone Input

Author: Florian Baumgartner & Alain Keller

Date: 08.01.2024

Rev: V1.0

File: Acquisition-System_V1.0_Input.SchDoc



A

A

B

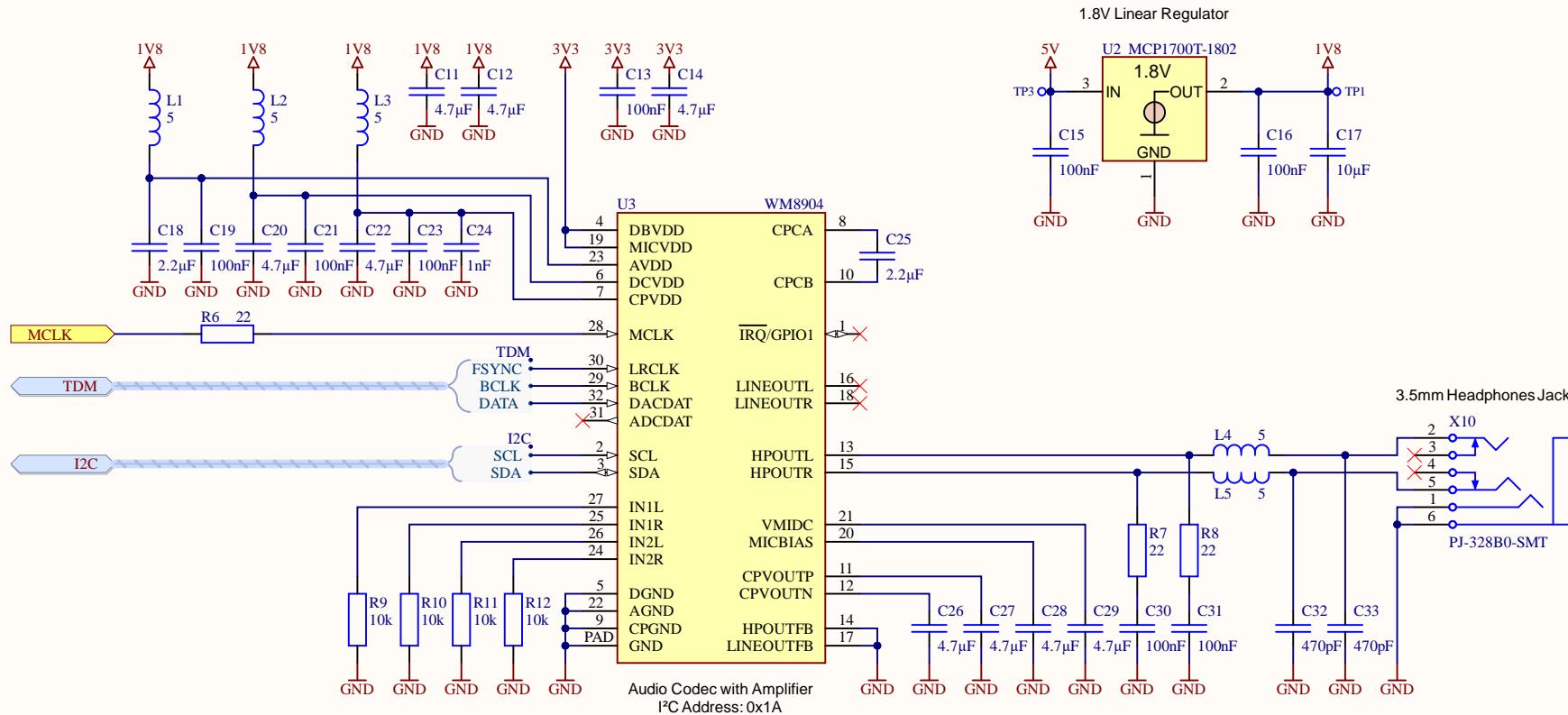
B

C

C

D

D



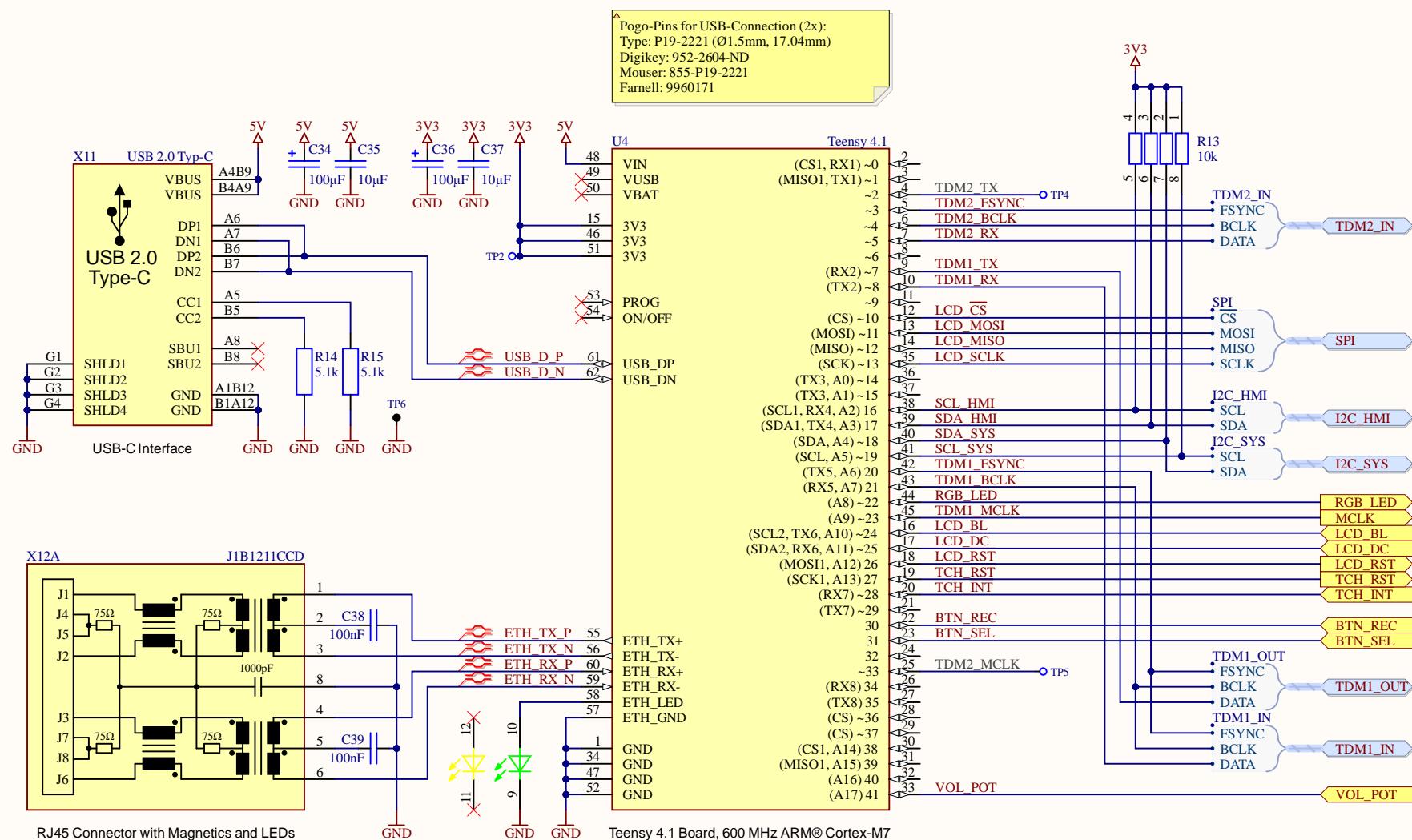
Title

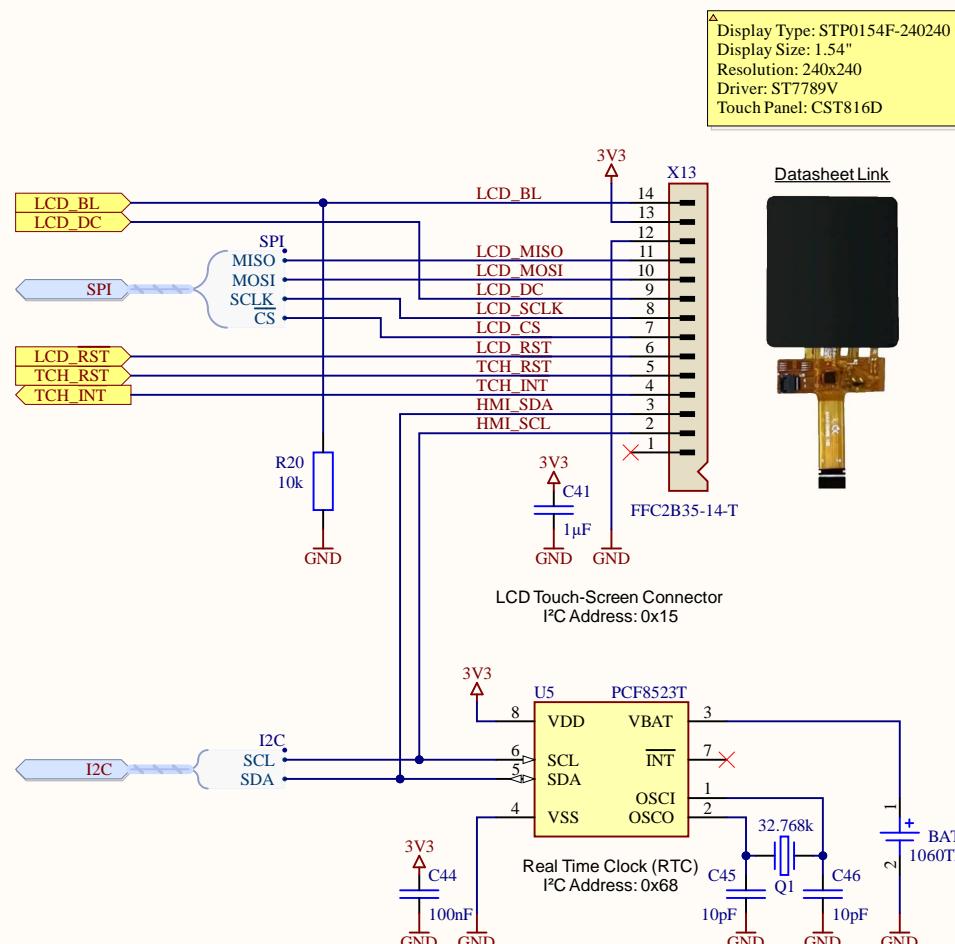
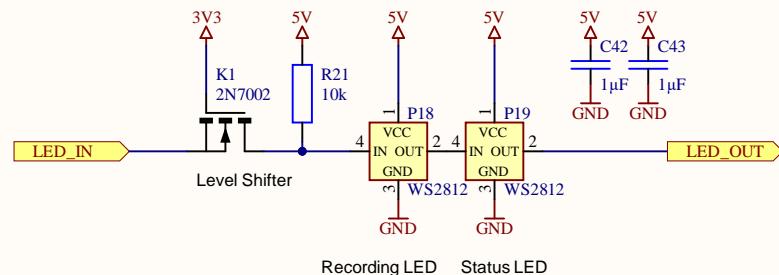
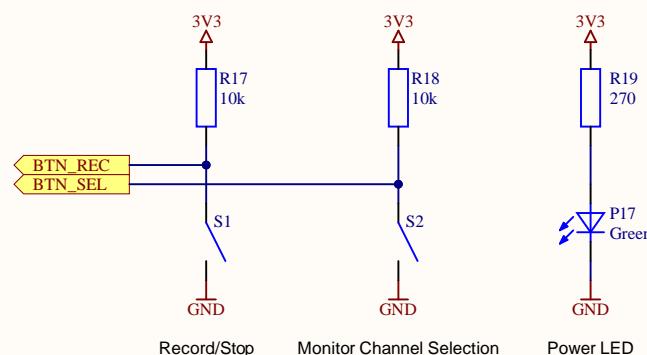
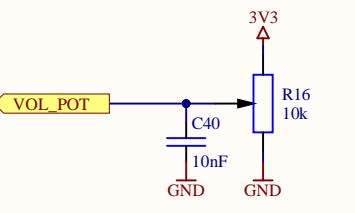
Acquisition-SystemSubtitle **Headphones Output**Author: *Florian Baumgartner & Alain Keller*File: [Acquisition-System_V1.0_Headphones.SchDoc](#)

Date: 08.01.2024

Rev: V1.0

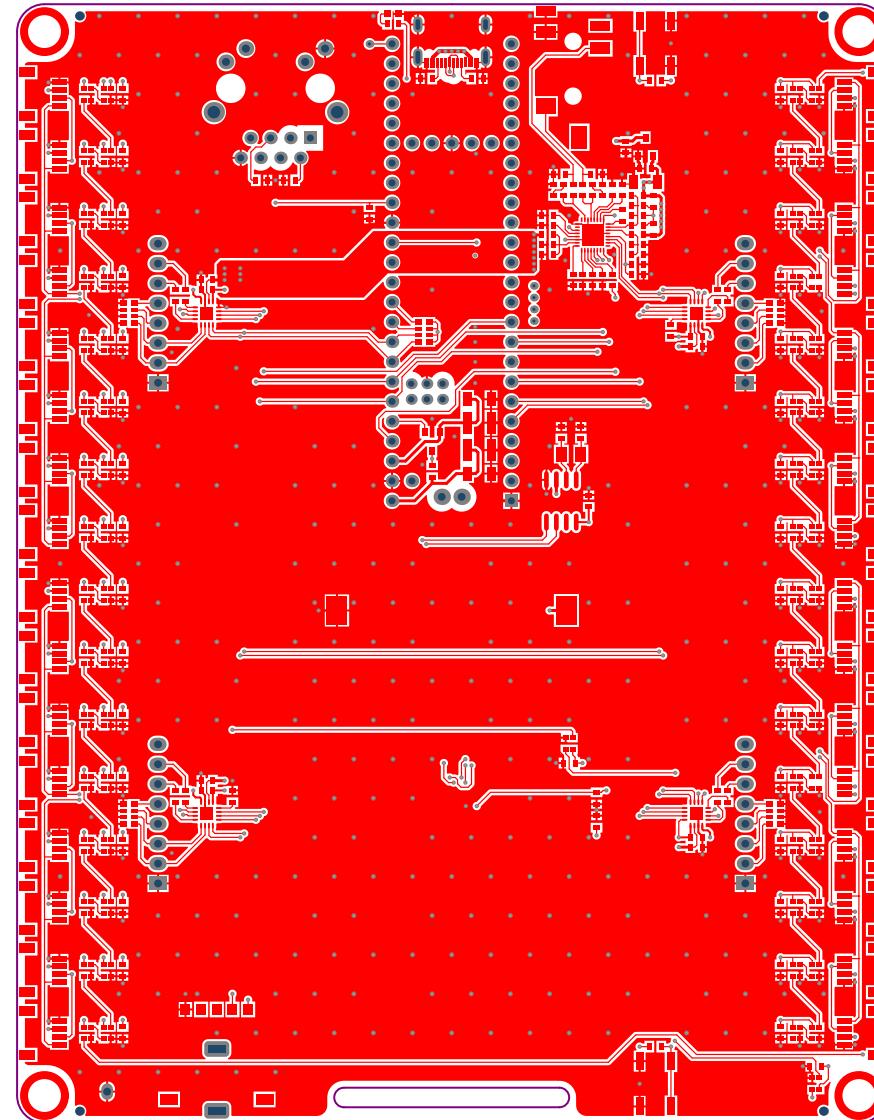
Sheet 3 of 5





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

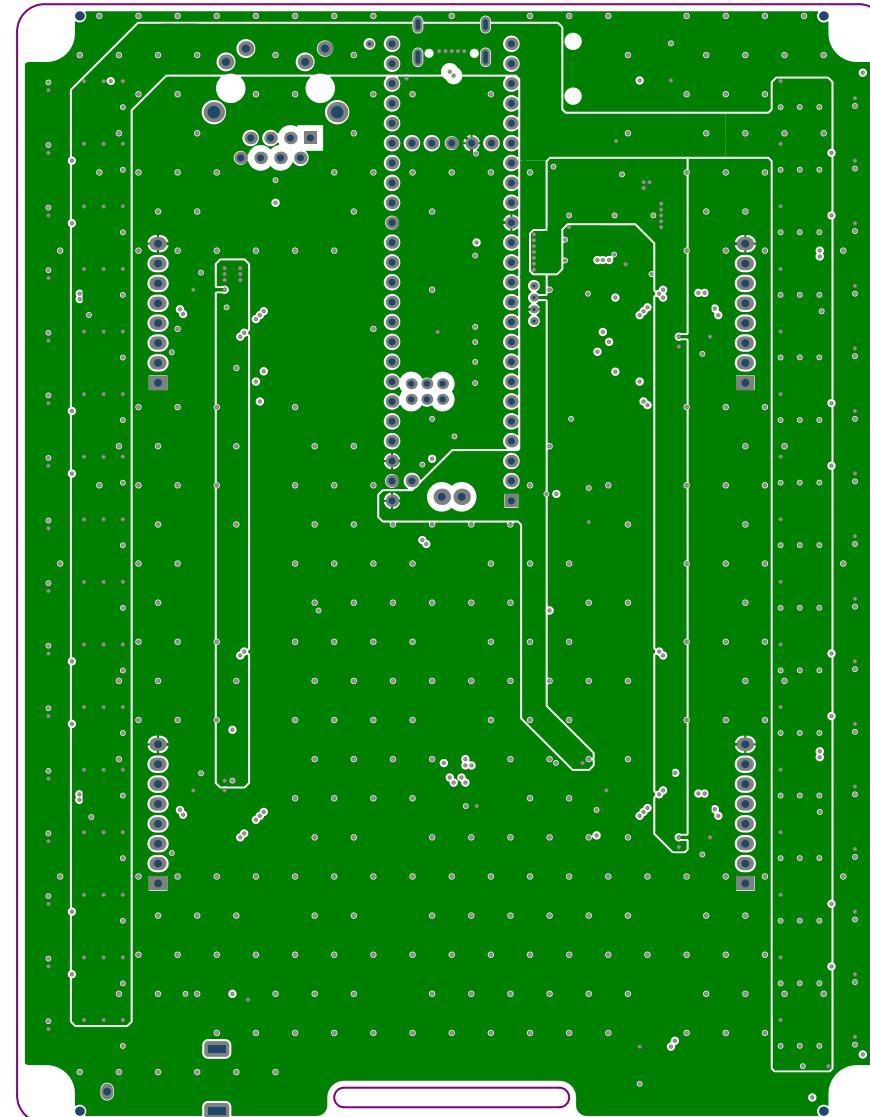
TITLE:
Acquisition-System

PART NO.:
1/1

DWG NO.:
1/1

REV:
V1.1

SCALE:
1:1



ENGINEER:
Florian Baumgartner

PCB DESIGNER:
Florian Baumgartner

DATE:
02.10.2023

FILE NAME:
Acquisition-System_V1.0.PcbDoc

TITLE:
Acquisition-System

PART NO.:
1/1

DWG NO.:
1/1

REV:
V1.1

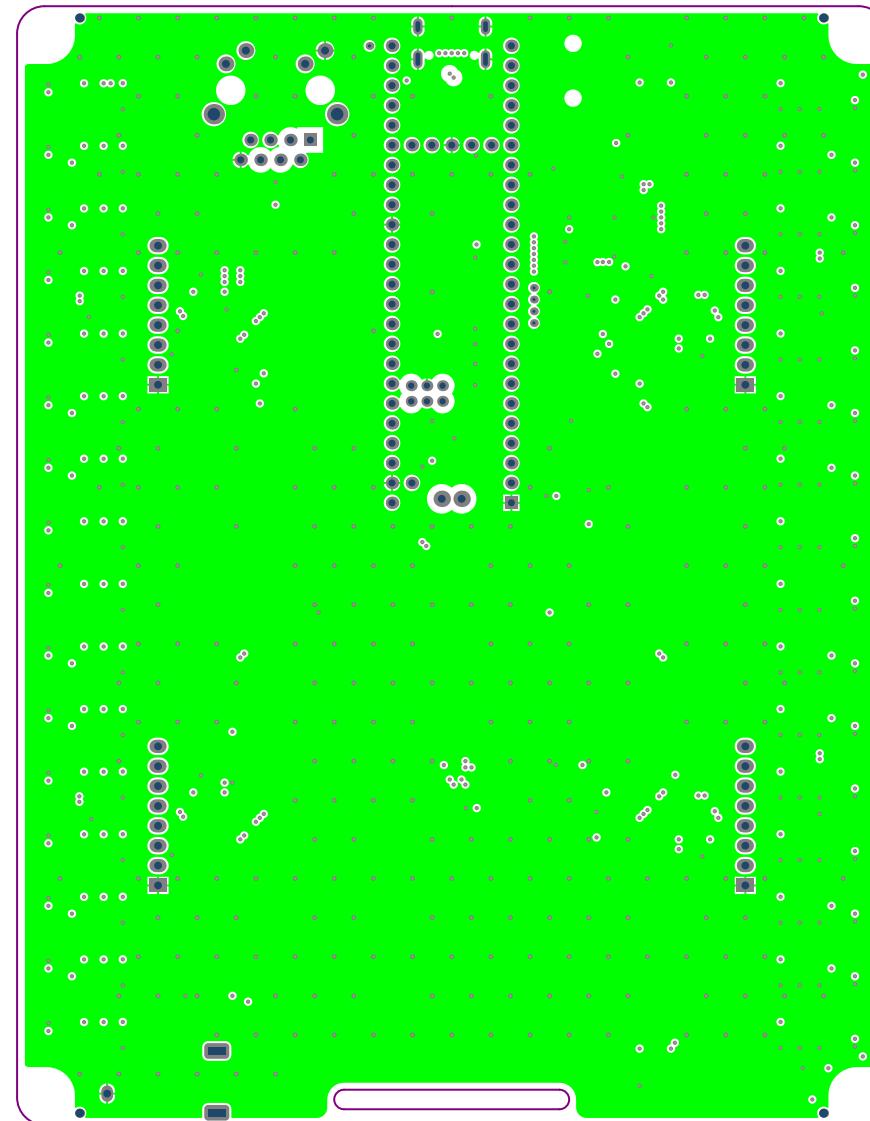
SCALE:
1:1

A

B

C

D



ENGINEER:
Florian Baumgartner

PCB DESIGNER:
Florian Baumgartner

DATE:
02.10.2023

FILE NAME:
Acquisition-System_V1.0.PcbDoc

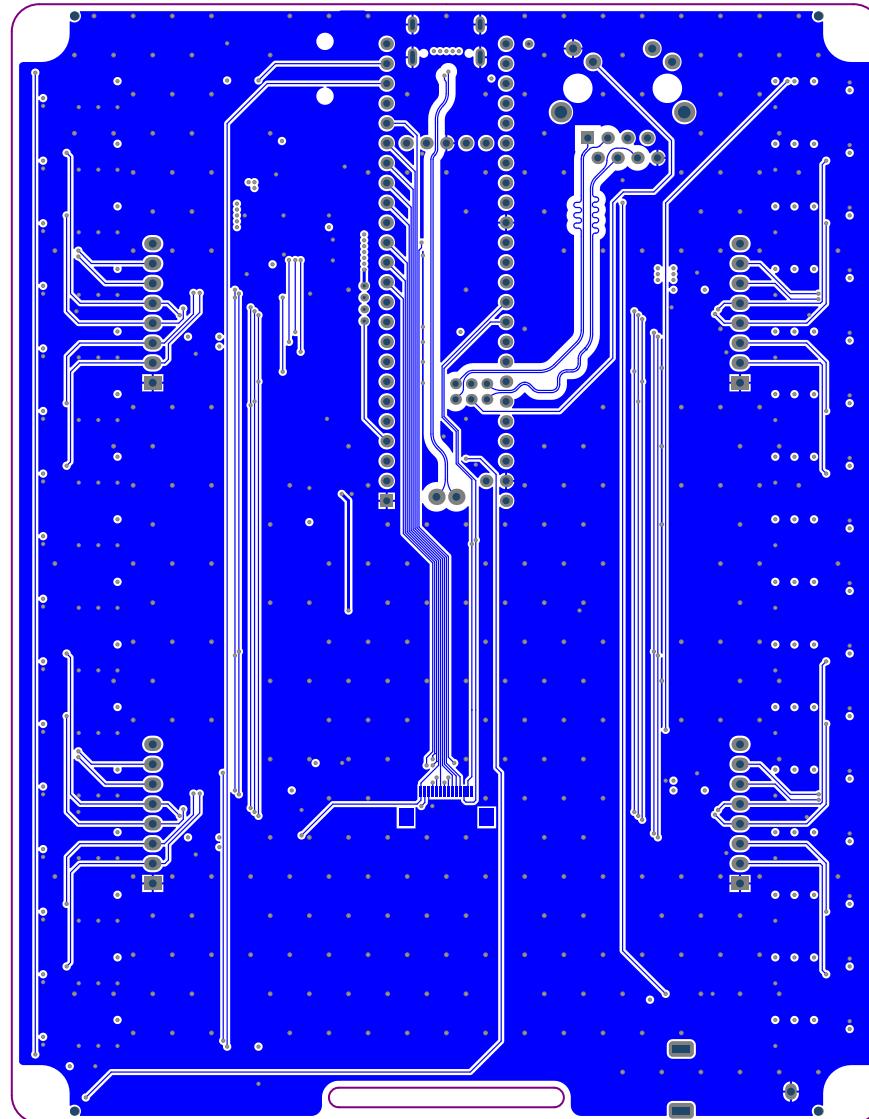
TITLE:
Acquisition-System

PART NO.:
1/1

DWG NO.:
1/1

REV:
V1.1

SCALE:
1:1



ENGINEER:
Florian Baumgartner

PCB DESIGNER:
Florian Baumgartner

DATE:
02.10.2023

FILE NAME:
Acquisition-System_V1.0.PcbDoc

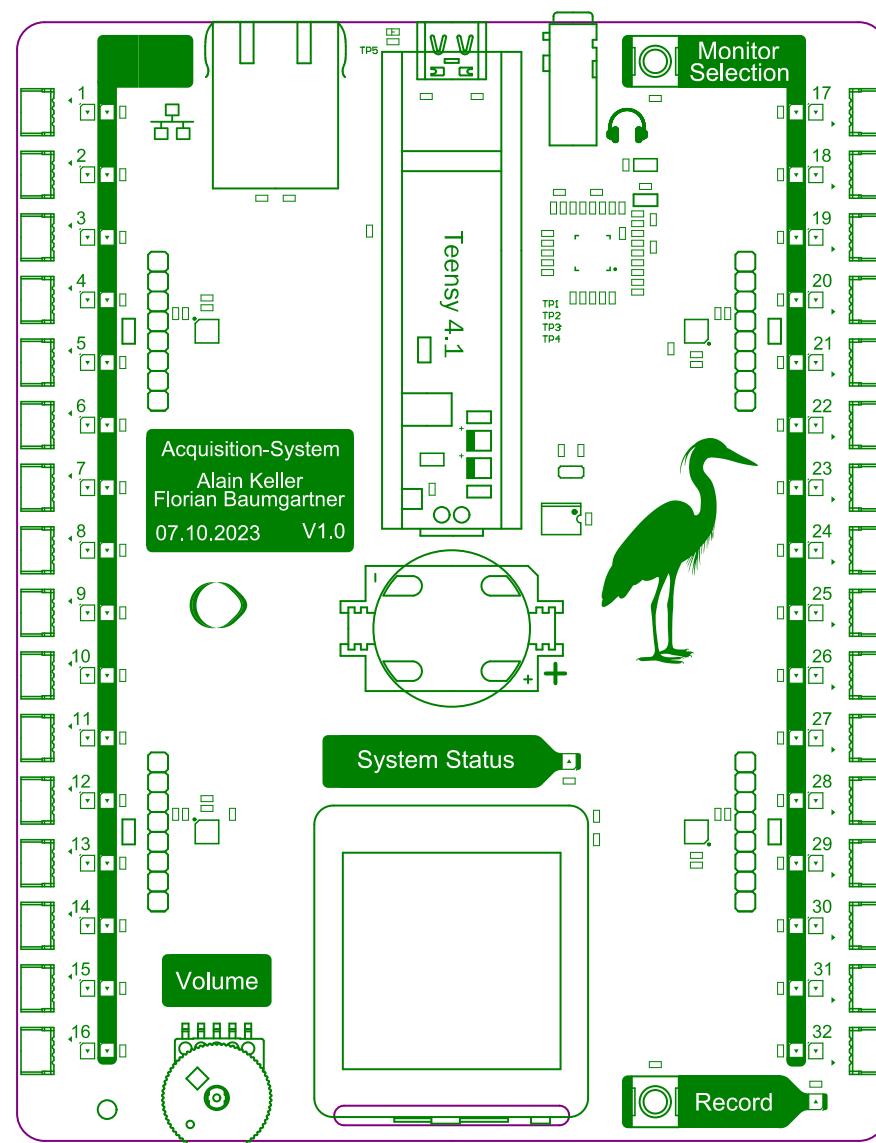
TITLE:
Acquisition-System

PART NO.:
1/1

DWG NO.:
1/1

REV:
V1.1

SCALE:
1:1



ENGINEER: Florian Baumgartner	TITLE: Acquisition-System
PCB DESIGNER: Florian Baumgartner	
DATE: 02.10.2023	PART NO.: 1/1
FILE NAME: Acquisition-System_V1.0.PcbDoc	REV: V1.1
	DWG NO: 1/1
	SCALE: 1:1

A

A

B

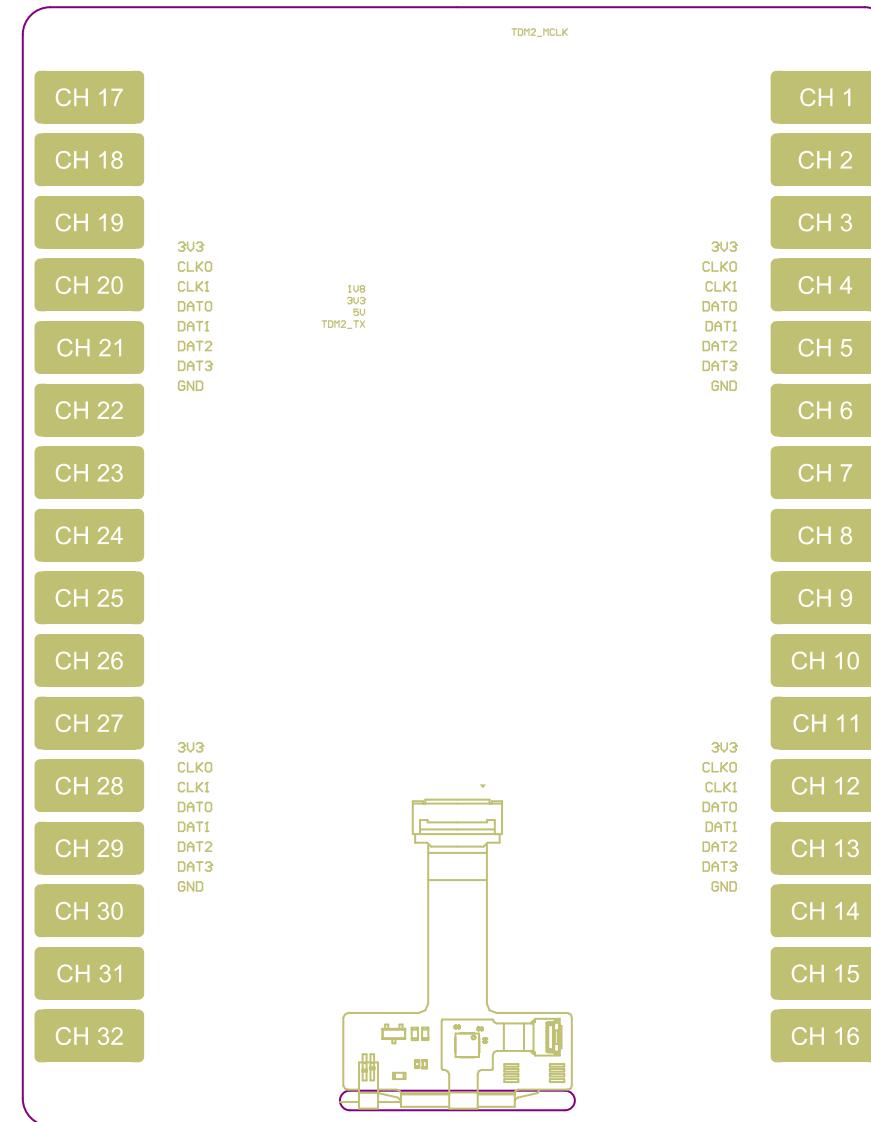
B

C

C

D

D



ENGINEER:
Florian Baumgartner

PCB DESIGNER:
Florian Baumgartner

DATE:
02.10.2023

FILE NAME:
Acquisition-System_V1.0.PcbDoc

TITLE:

Acquisition-System

PART NO.:
1/1

DWG NO.:
1/1

REV.:
V1.1

SCALE:
1:1

1

2

3

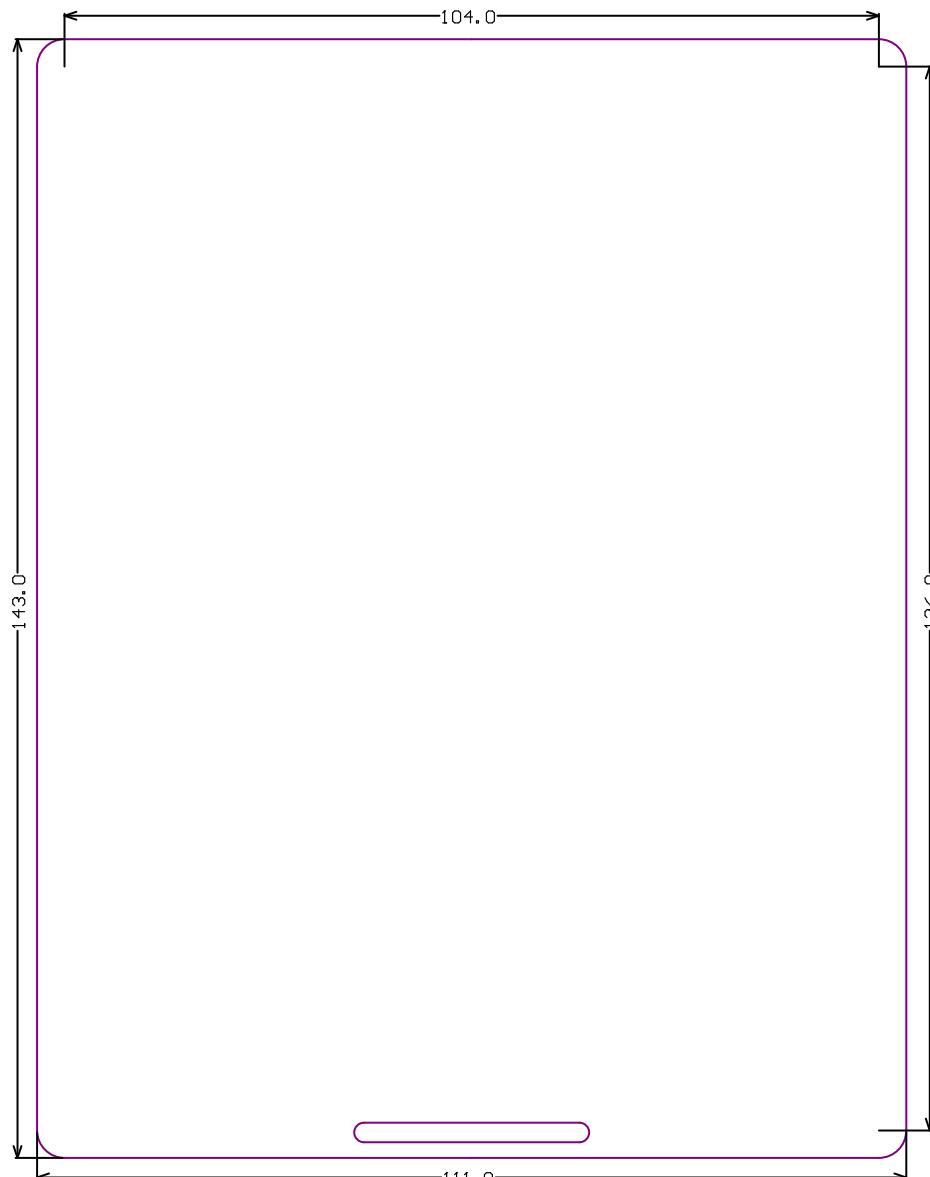
4

A

B

C

D



ENGINEER:
Florian Baumgartner

PCB DESIGNER:
Florian Baumgartner

DATE:
02.10.2023

FILE NAME:
Acquisition-System_V1.0.PcbDoc

TITLE:

Acquisition-System

PART NO.:
1/1

DWG NO.:
1/1

REV:
V1.1

SCALE:
1:1

1

2

3

4