

Naquada

MB2095 -U385

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U_Top
Top.SchDoc

HW1

STICKER PRODUCT

N/A

HW2

STICKER BOARD

N/A

Legend

General comment such as function title, configuration, ...

Text to be added to silkscreen.

Warning text.

A

Notes to generate the board layout.

Open Platform License Agreement

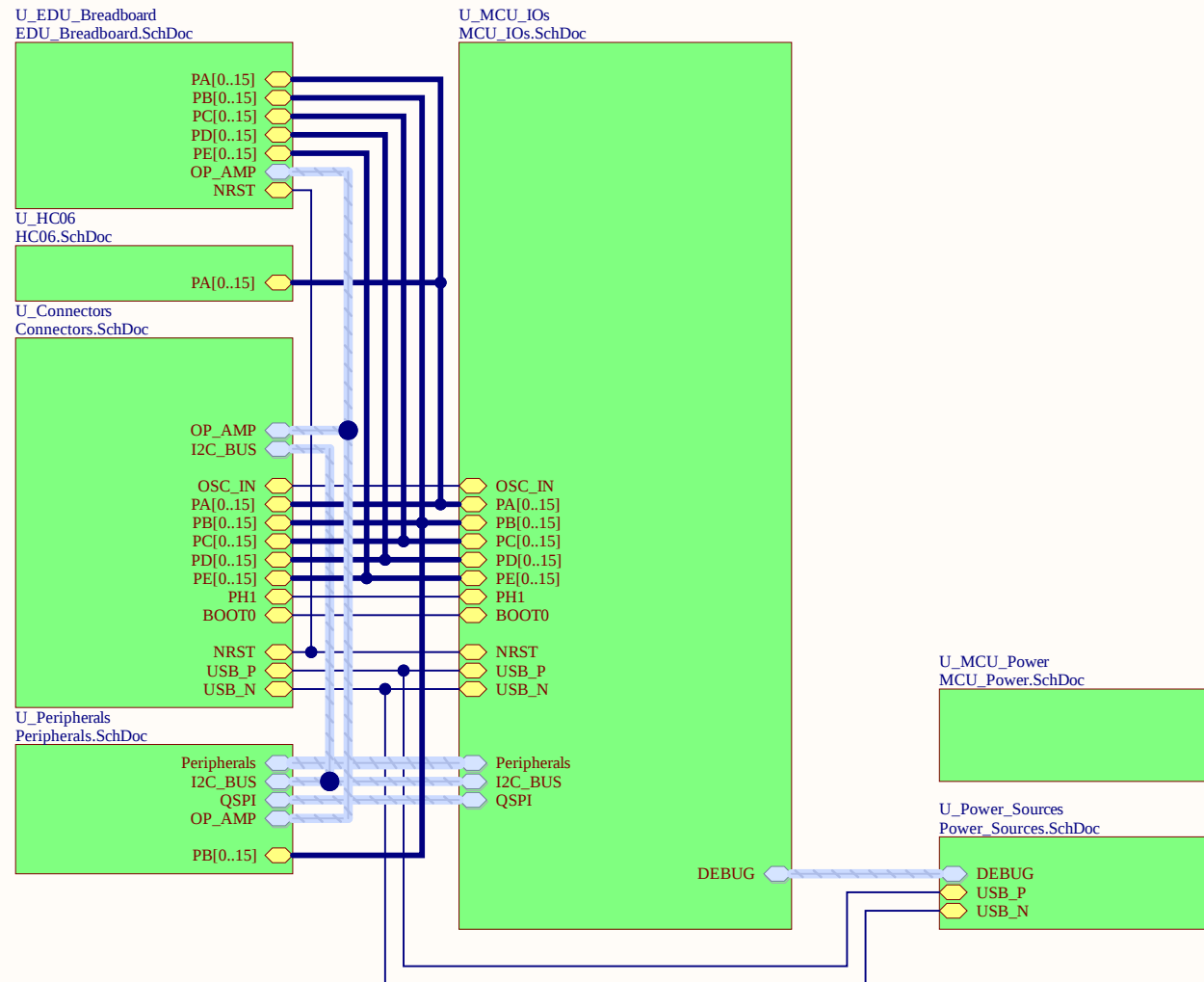
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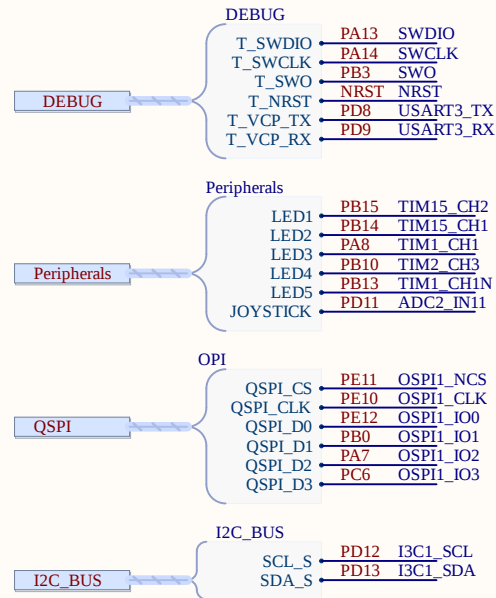
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Title: Project Overview		
Project: Naquada		
Variant: U385		
Revision: C-01		Reference: MB2095
Size: A4	Date: 25-March-2025	Sheet: 1 of 9

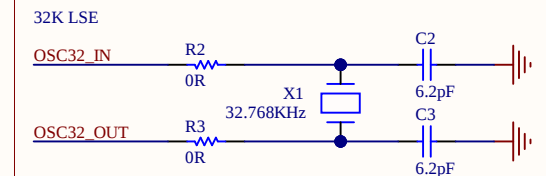
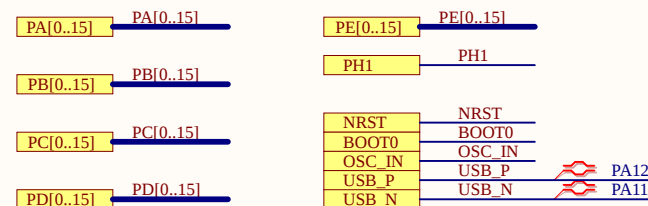
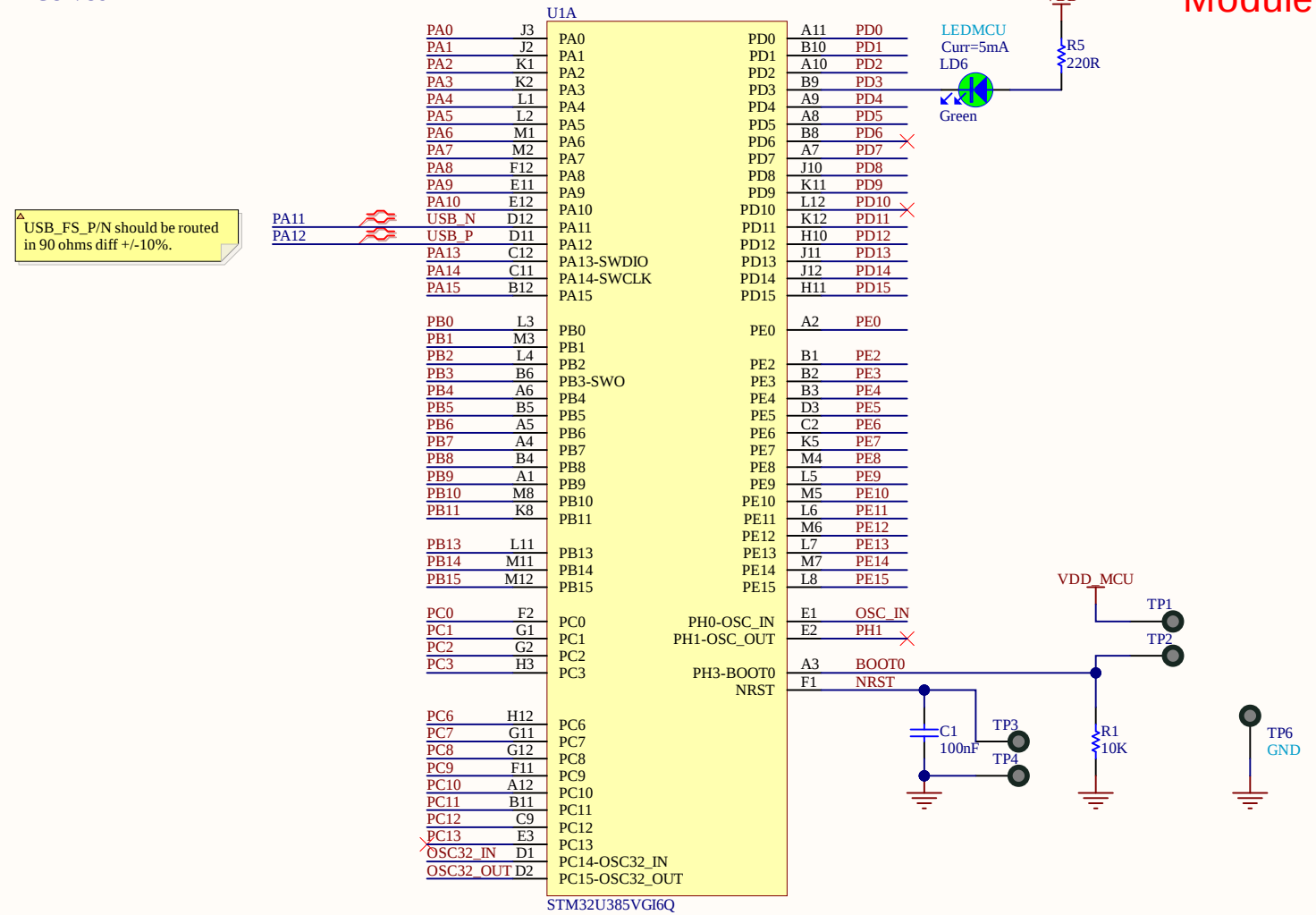


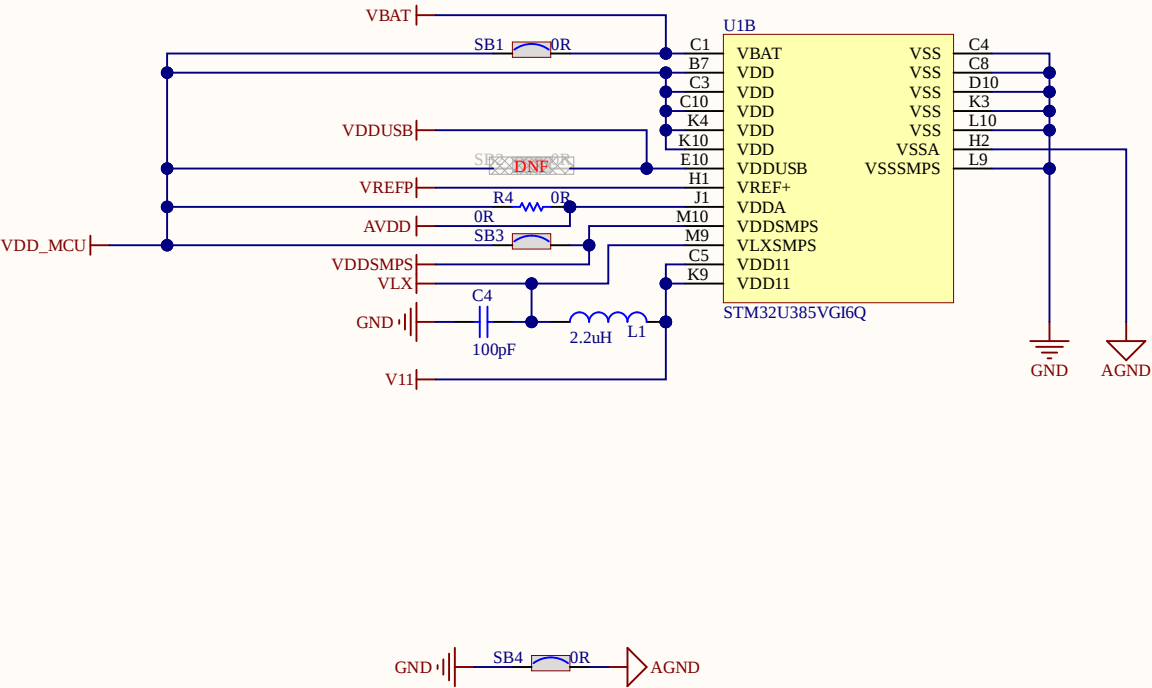


HARNESS



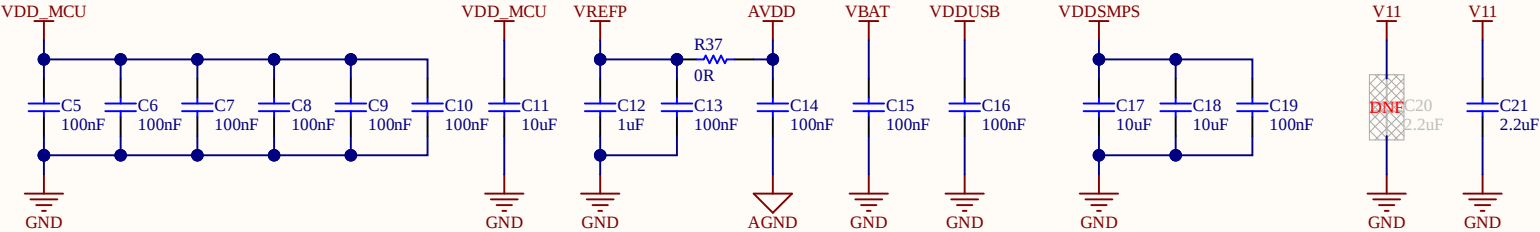
MCU I/Os



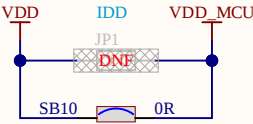


MCU DECOUPLING

Decoupling capacitors have to be as close as possible from the MCU pins.



IDD MEASUREMENT



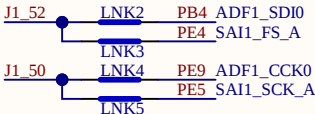
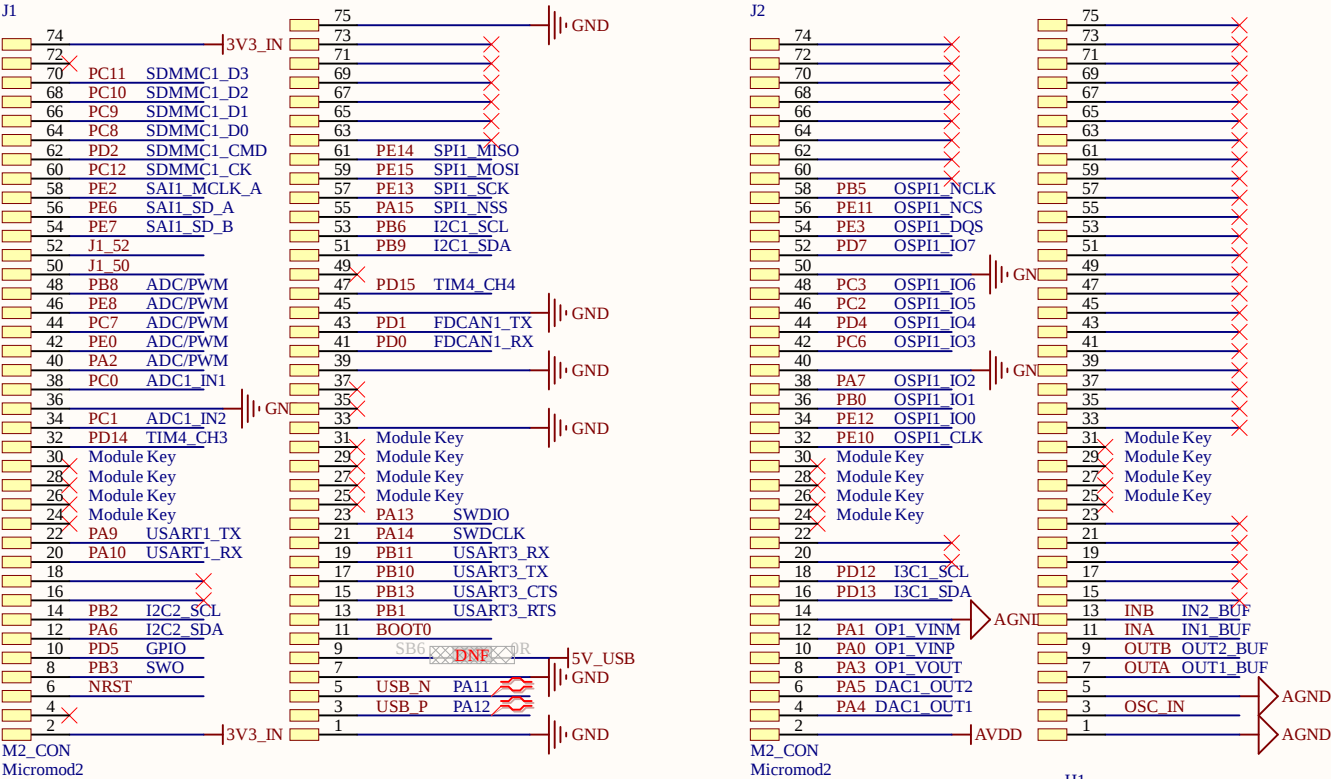
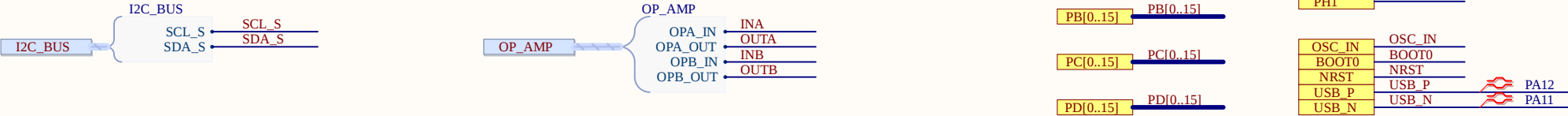
Operating range: $3.0V < V_{CC} < 5.5V$



Module 3

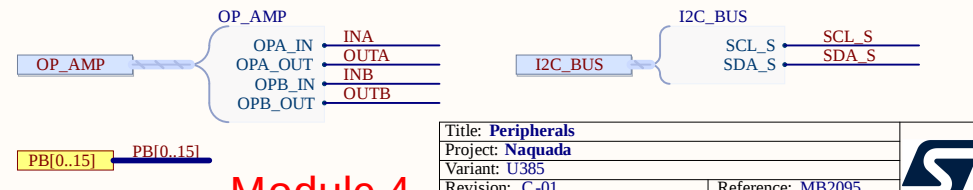
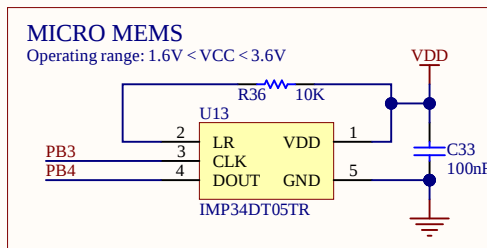
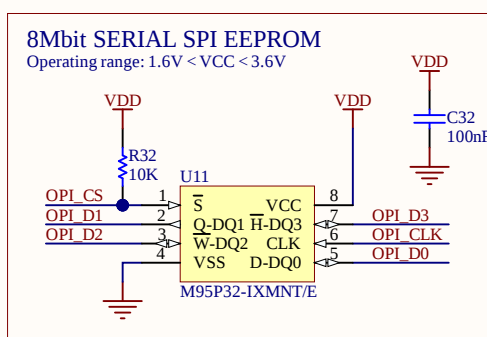
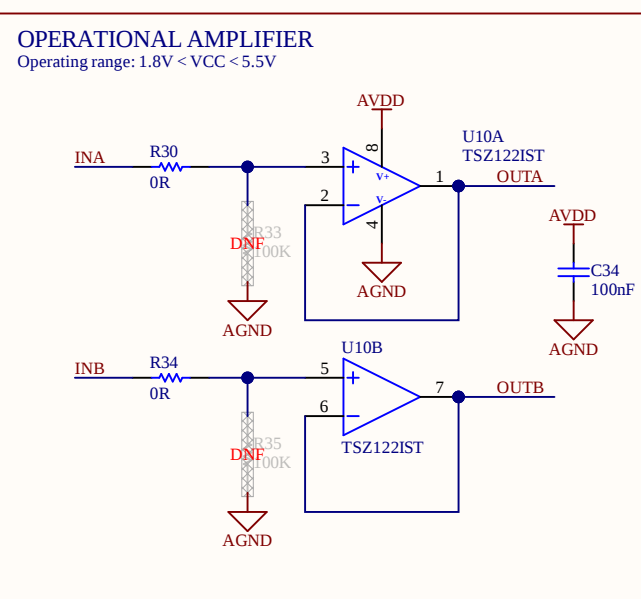
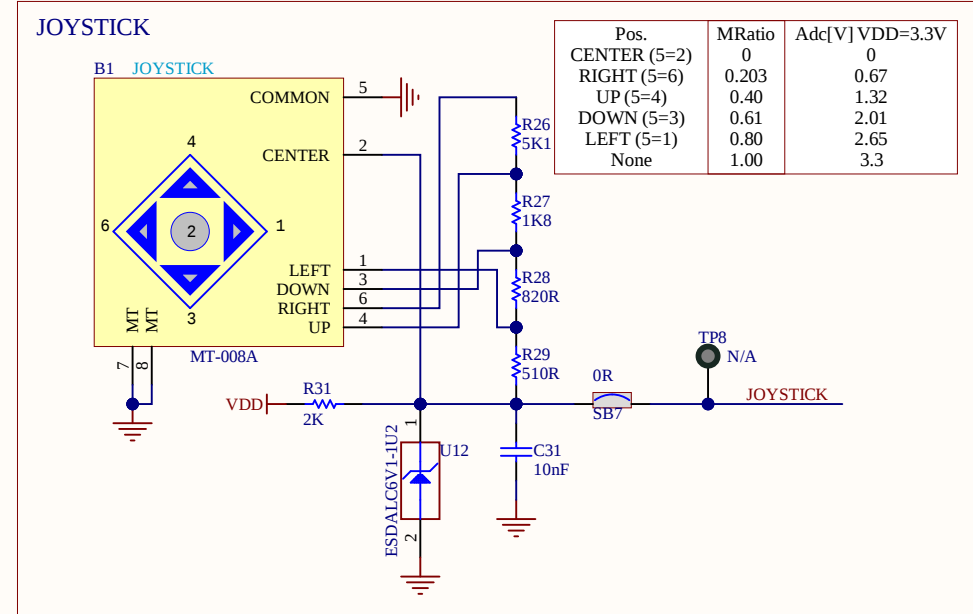
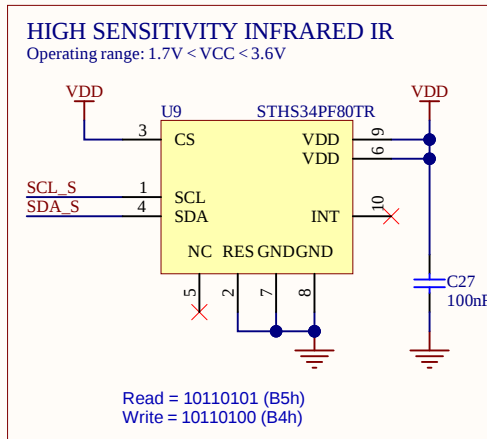
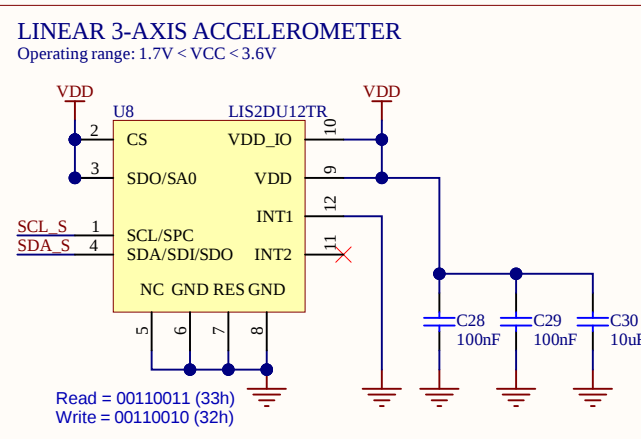
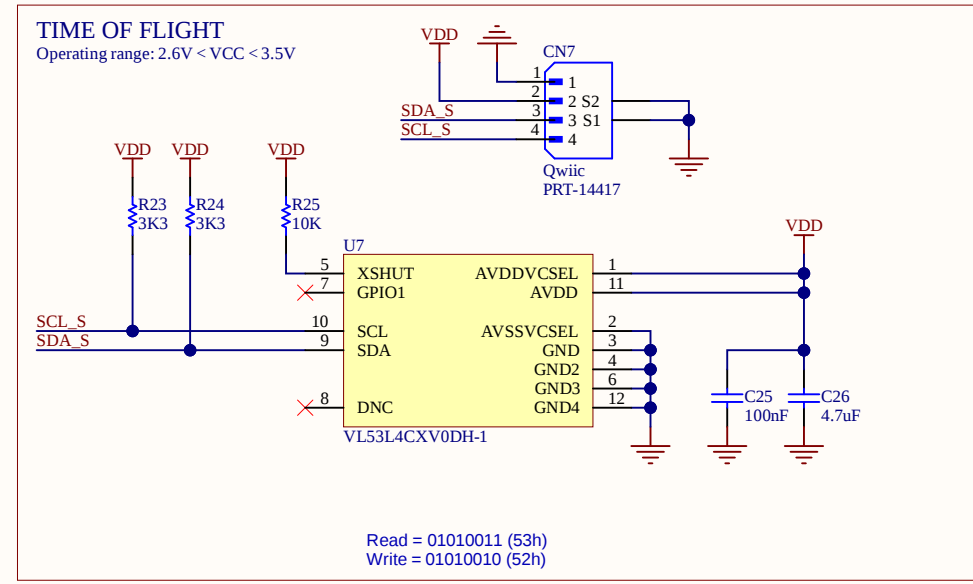
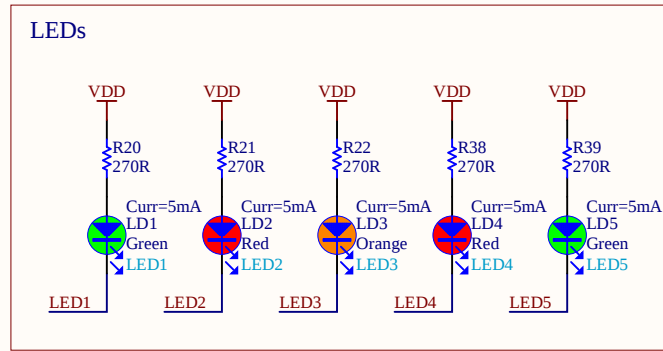
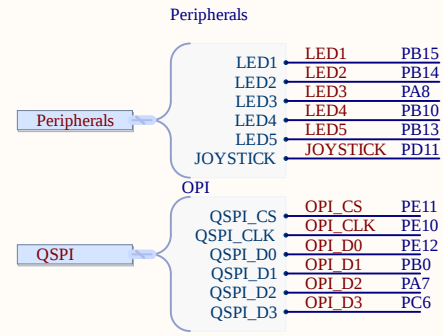


CONNECTORS



SPARKFUN MICROMOD DESCRIPTION

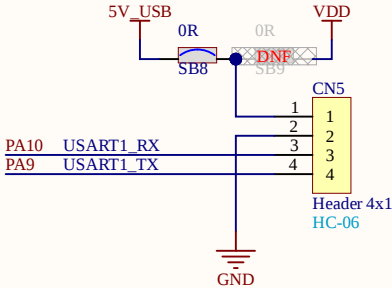
Roll over your mouse on the above link and access to Sparkfun Micromod connectors description.



HC-06 MODULE CONNECTOR

Operating range: 3.3V < VCC < 5.0V (Refer to the module characteristics)

PA[0..15] PA[0..15]

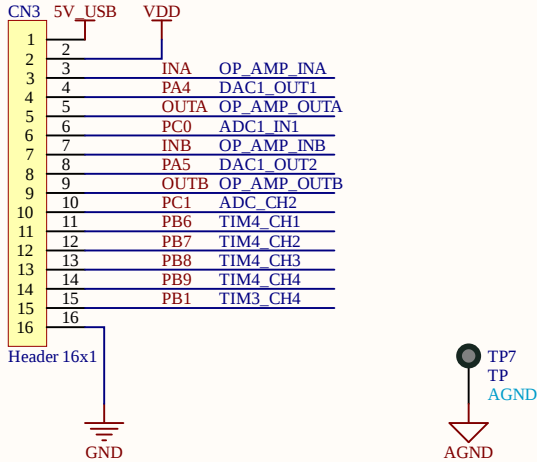
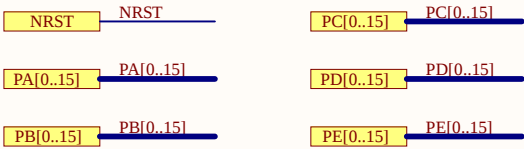
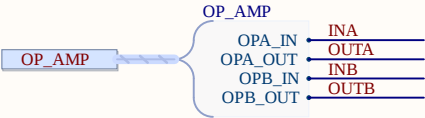


^A HC-06 module pin description:
Pin1: VCC
Pin2: GND
Pin3: TXD module
Pin4: RXD module

Module 1

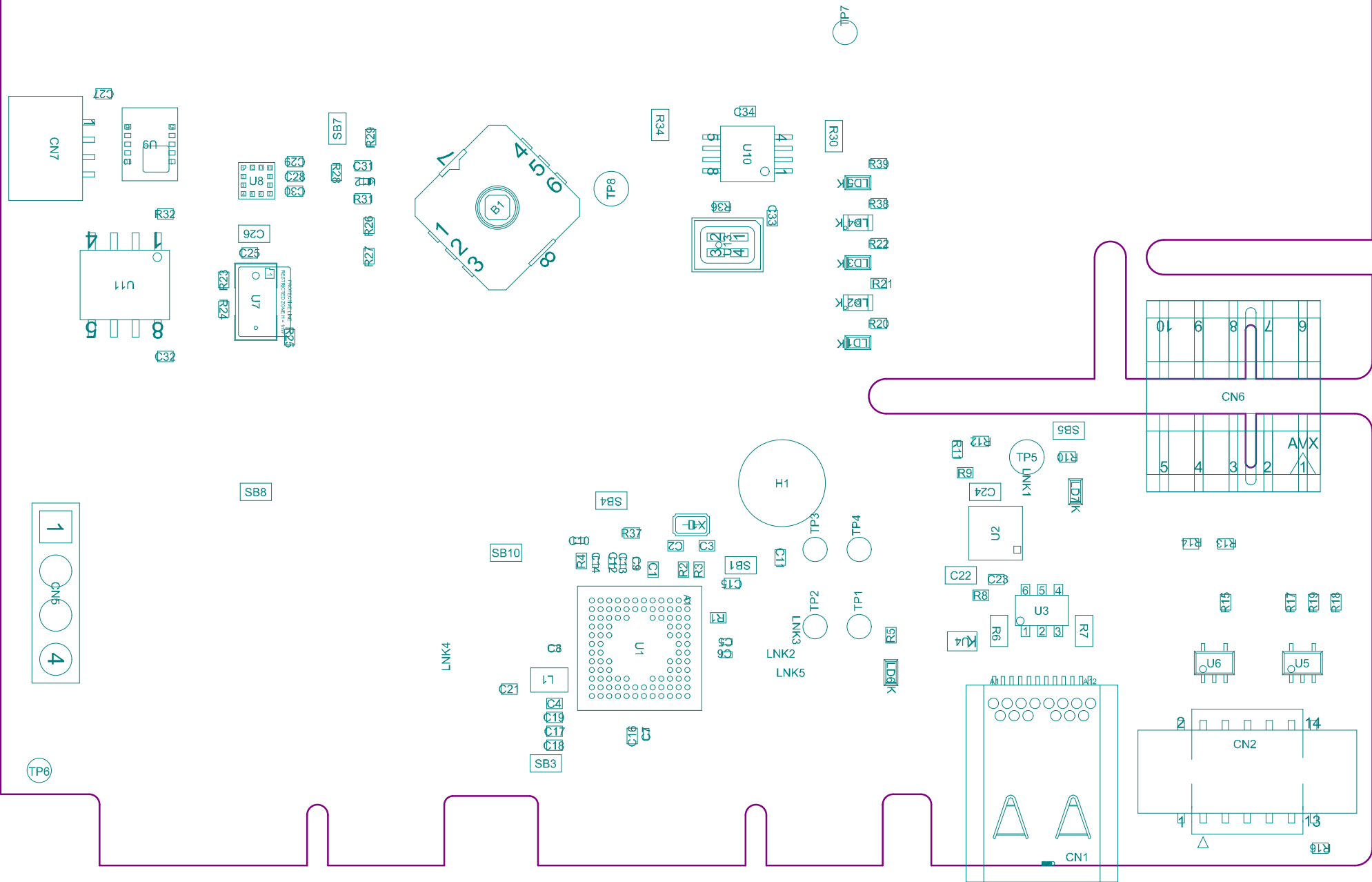


EDU BREADBOARD

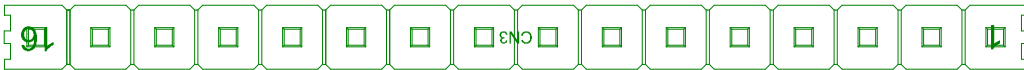
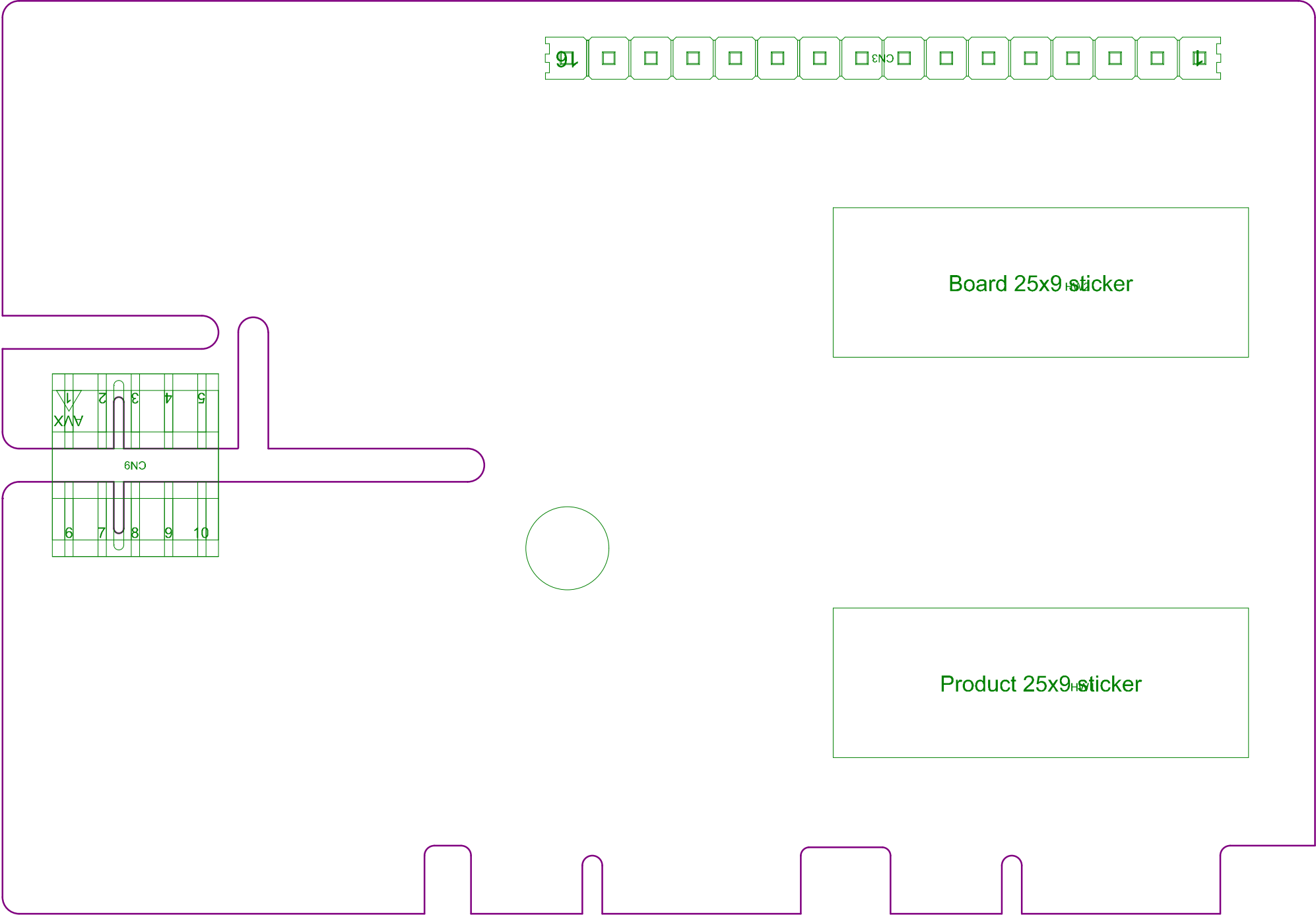


Module 4





Project: Naquada		
Layer: M14-Top Assembly	Gerber: .GM14	
Variant: U385	MB2095	
Date: 25-March-2025	Rev: C	



Board 25x9 sticker

Product 25x9 sticker

Project: Naquada

Layer: M15-Bottom Assembly

Variant: U385

Date: 25-March-2025

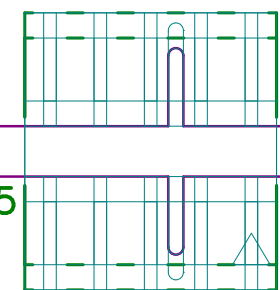
Gerber:.GM15

MB2095

Rev: C



0.8 to 1.6mm Thick AVX10 Adapter

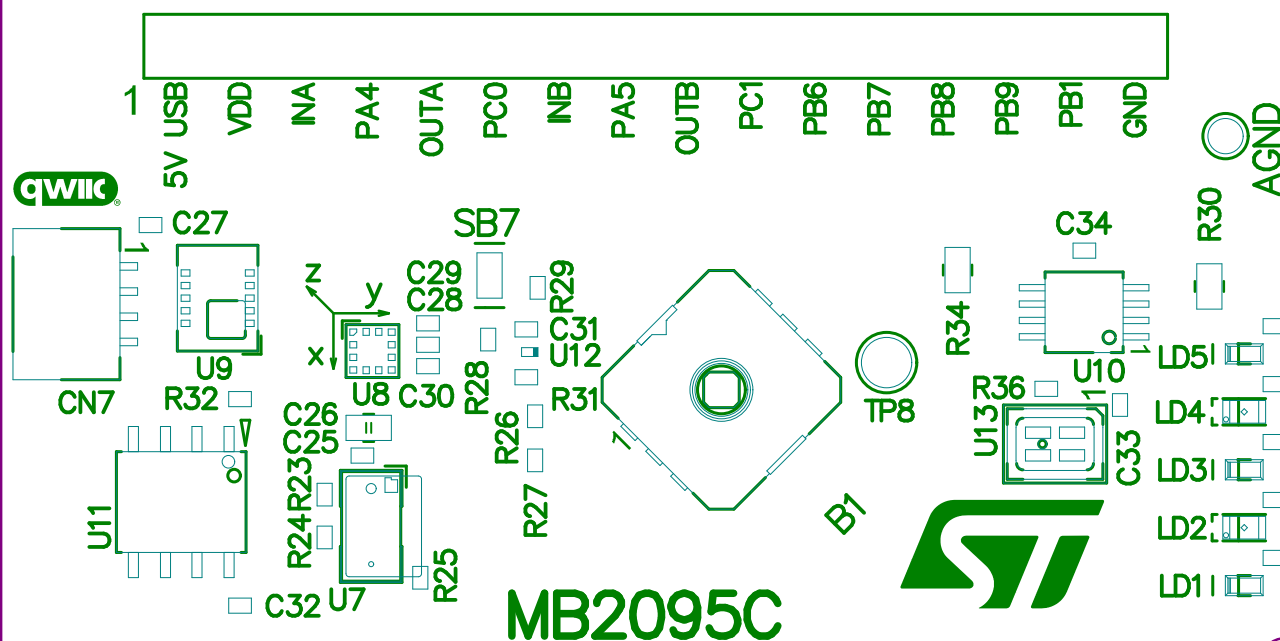


MB2095C

DEBUG

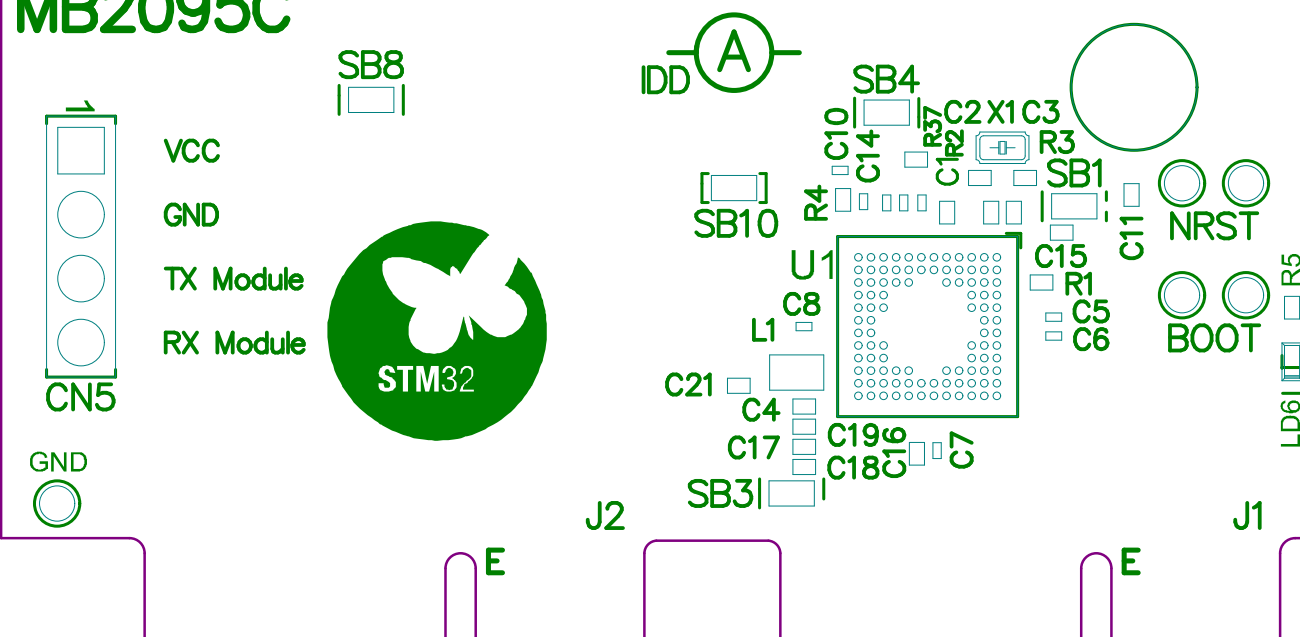
.GTM14

Mid-Overlay Assembly

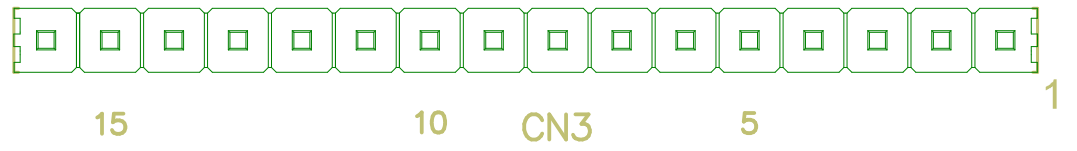


MB2095C

MB2095C

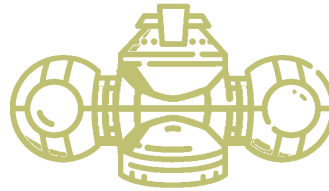


STM32



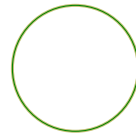
Sensors Board

- U7 – VL53L4CX (52h/53h)
- U8 – LIS2DU12 (32h/33h)
- U9 – STHS34PF80 (B4h/B5h)



NAQUADA

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CUBECZ



M2/ST Extension

sparkfun.
START SOMETHING
MicroMod

USB Device
Debug In / LDO

