

# STM32H743VIT6 Test B'd

## #1 Index

Rev	Date	Designer	Description
A	24.02.01	Ganghyeok Lim	Create design project
B	24.02.23	Ganghyeok Lim	1. Resistor value changed (R7, R8) 2. Resistor deleted (R9) 3. Net name changed ① MCU_LED1_RED → MCU_LED1_BLUE ② MCU_LED1_BLUE → MCU_LED1_RED ③ MCU_LED2_RED → MCU_LED2_BLUE ④ MCU_LED2_BLUE → MCU_LED2_RED
C			
D			

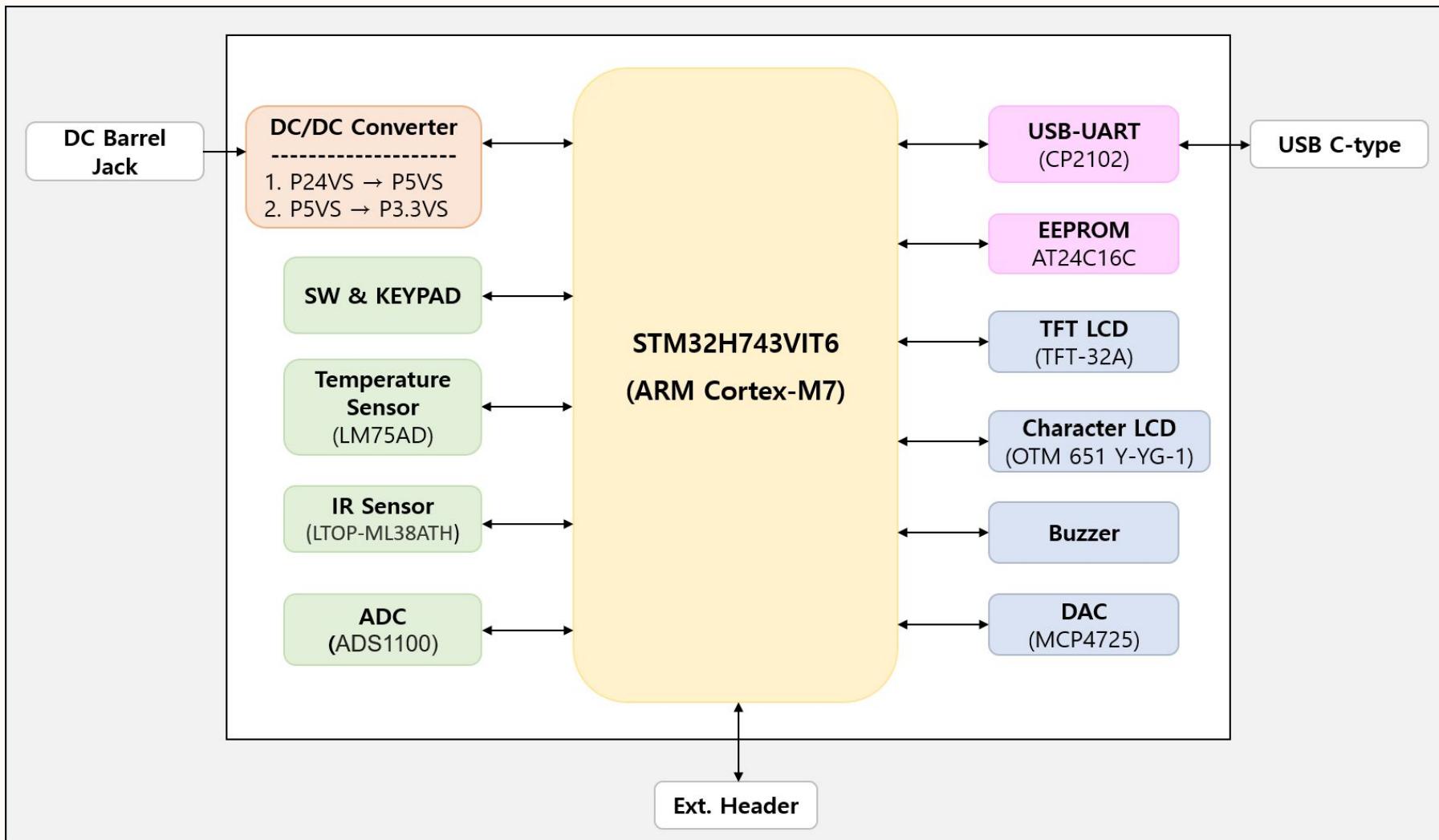
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- #5 LCD (Character & TFT)
- #6 Keypad & ADC/DAC
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Sheet #	1 of 7	Author Ganghyeok Lim
Date	2024-02-23	
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## #2 Overview

A



A

B

B

C

C

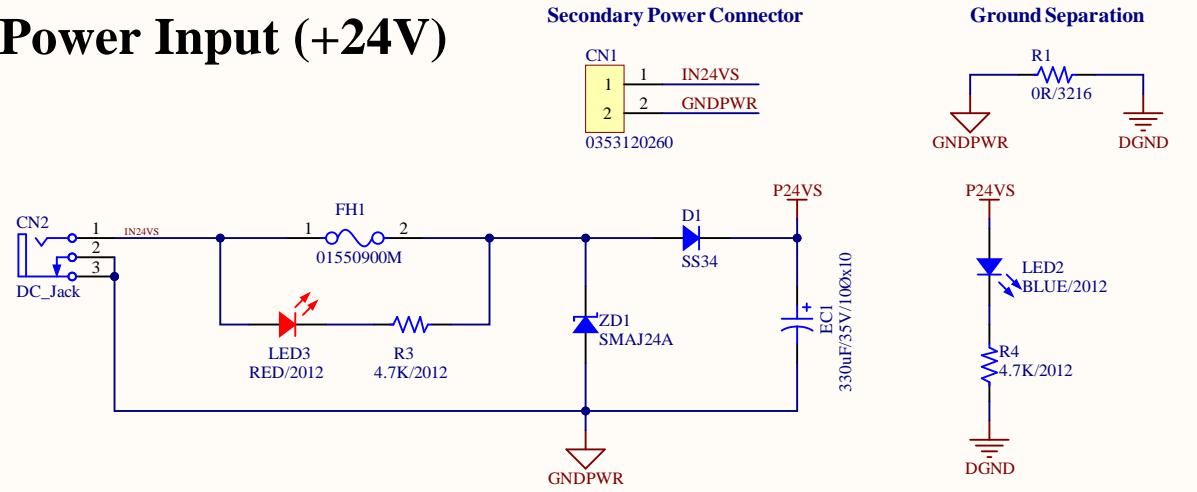
D

D

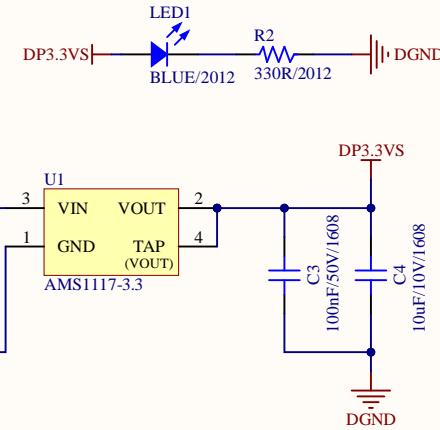
# #3 Power

A

## Power Input (+24V)

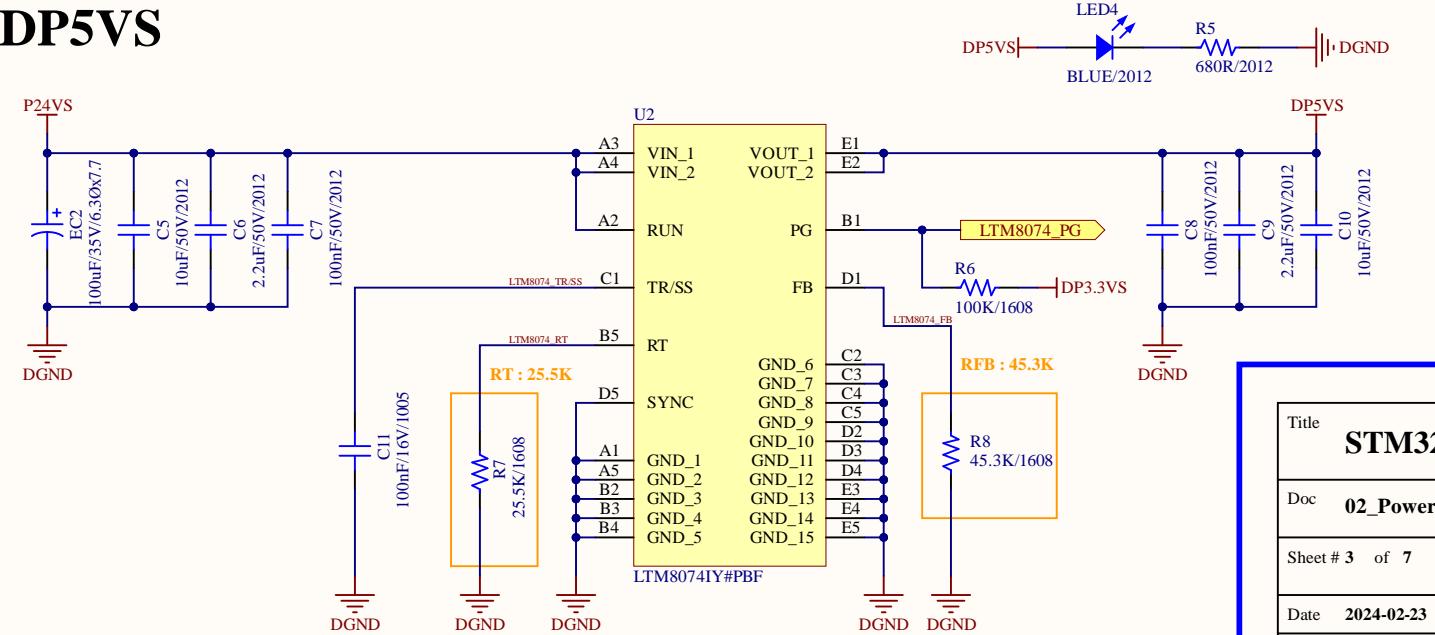


## DP3.3VS



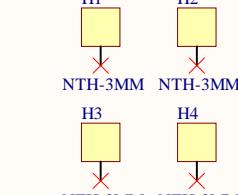
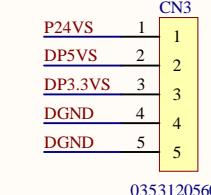
B

## DP5VS



## Power Connector

## PCB Mount Hole



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Doc **02\_Power.SchDoc**

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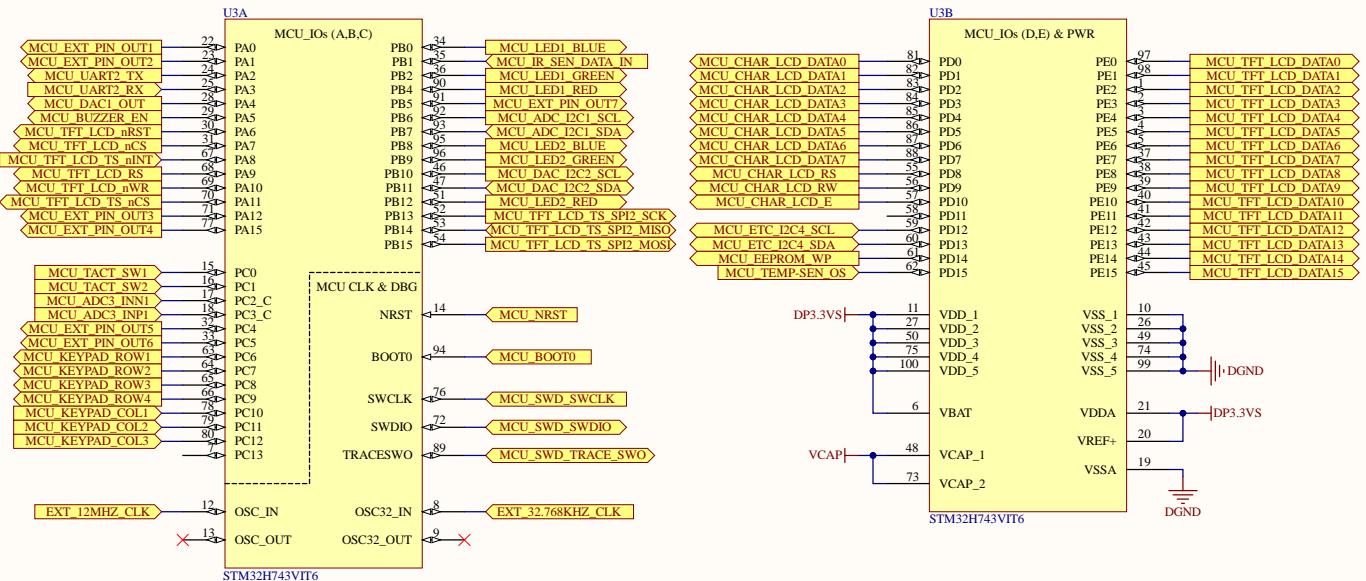
Date **2024-02-23**



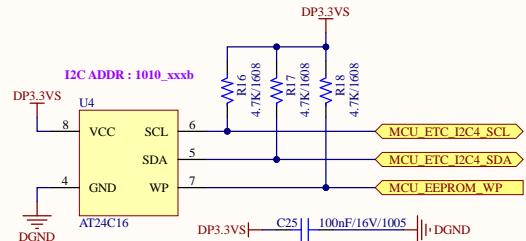
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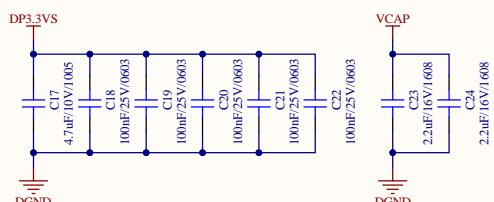
# #4 MCU



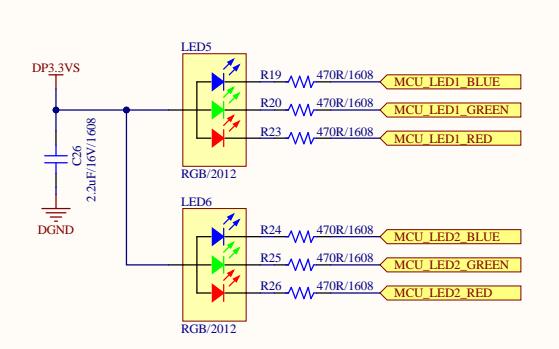
## EEPROM (16Kbit)



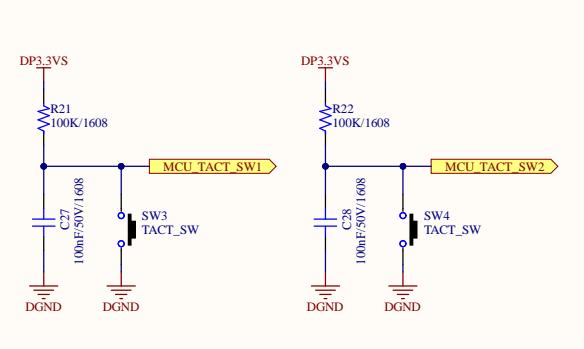
## Decoupling Capacitors



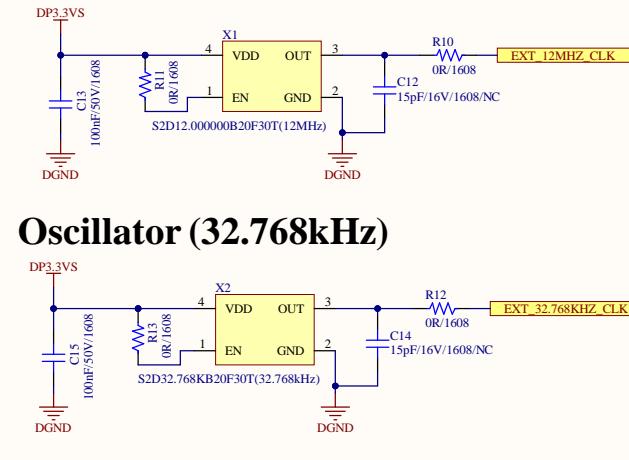
## Status LED



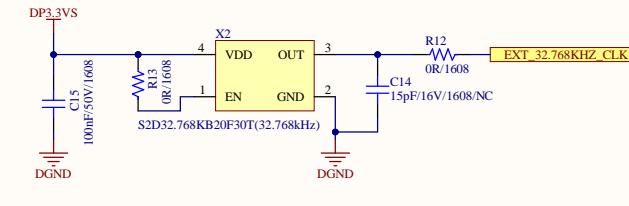
## Tact Switch



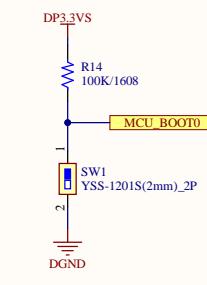
## Oscillator (12MHz)



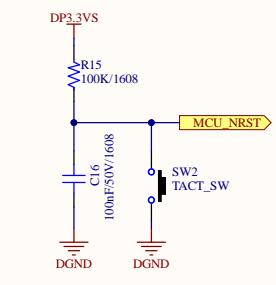
## Oscillator (32.768kHz)



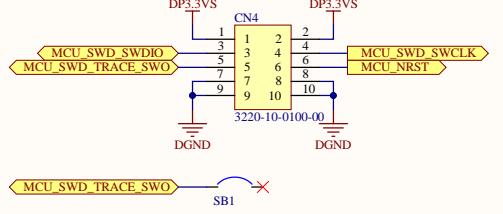
## MCU BOOT



## MCU RESET



## ST-Link



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Rev B

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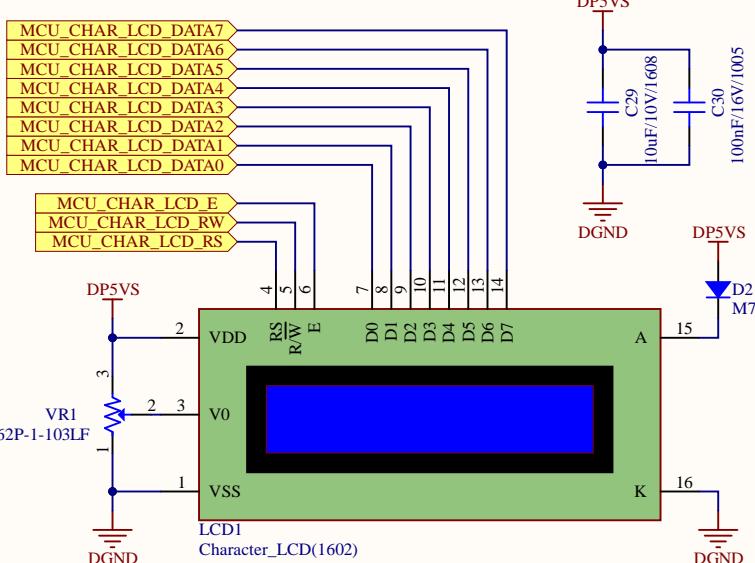
Date 2024-02-23

ArkX

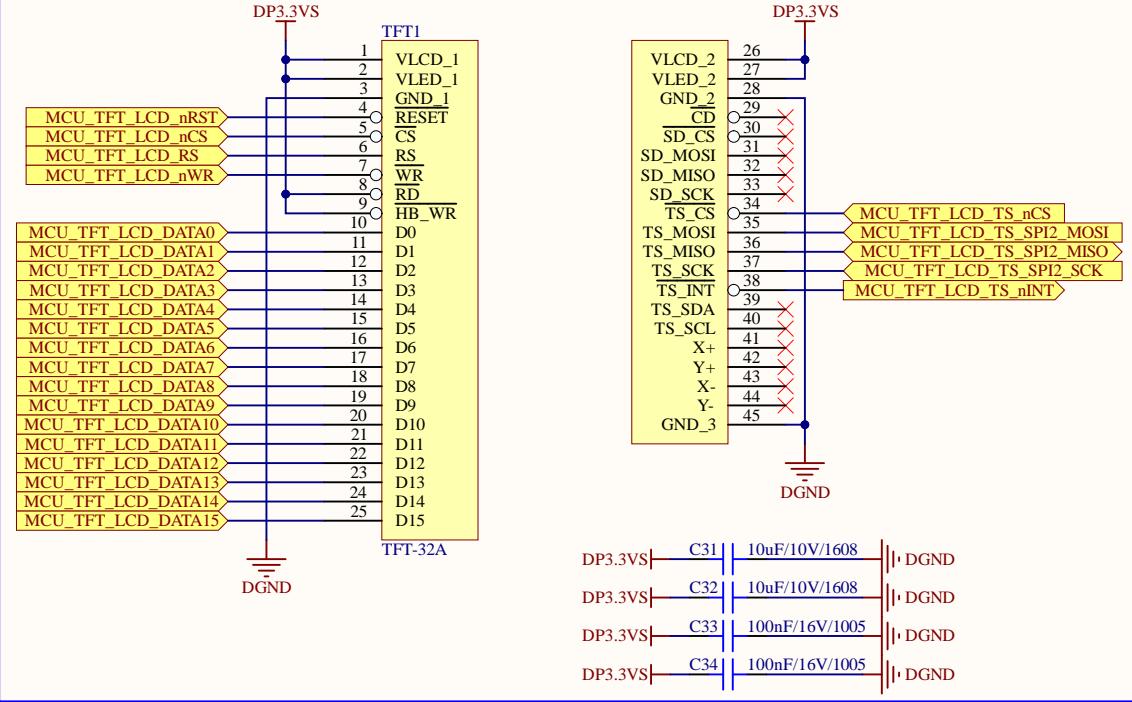
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# #5 LCD (Character & TFT)

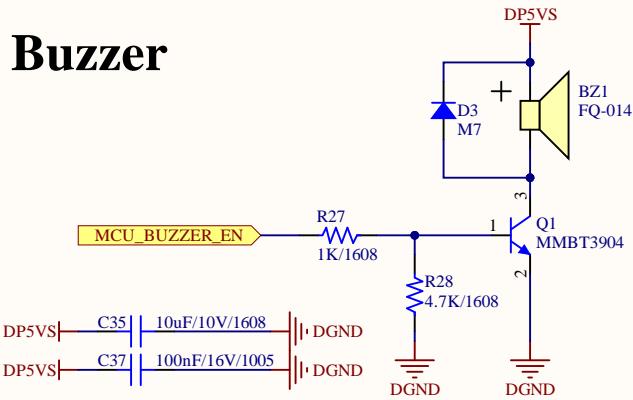
## Character LCD (1602)



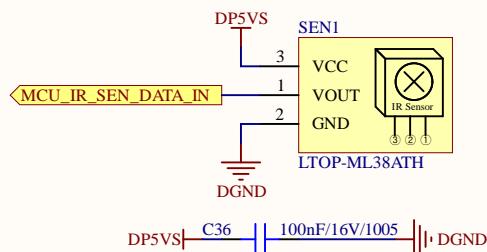
## TFT LCD (with Touch Screen)



## Buzzer



## IR Sensor



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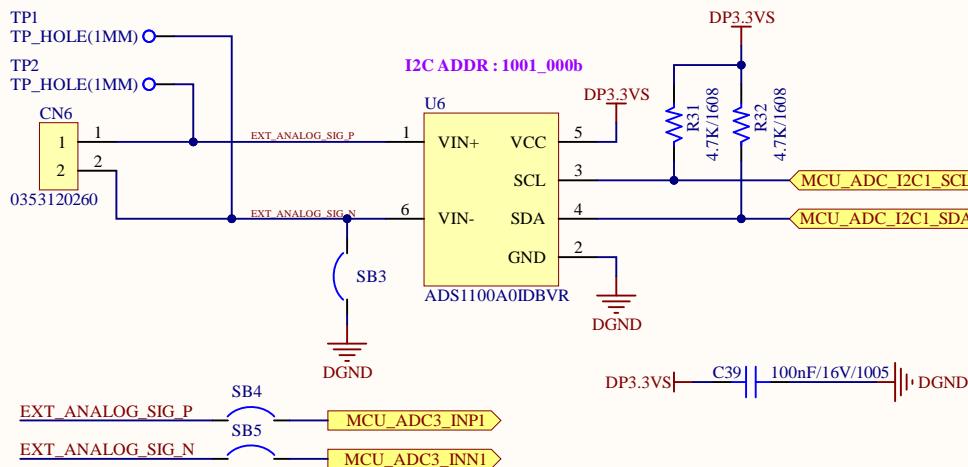


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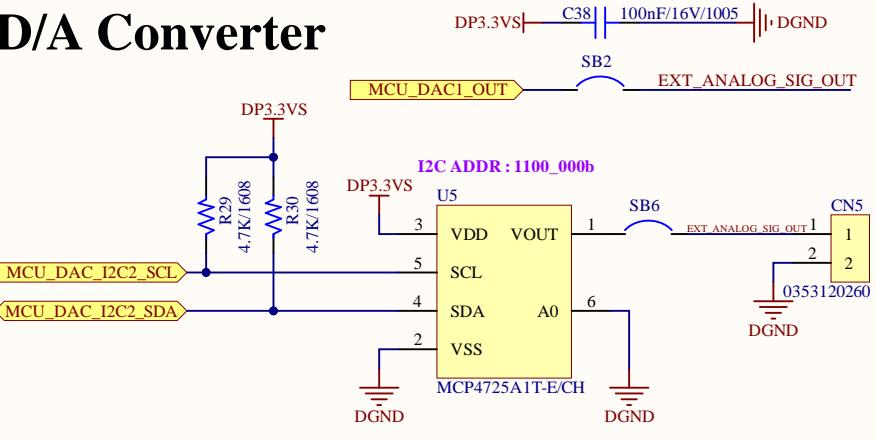
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# #5 Keypad & ADC/DAC

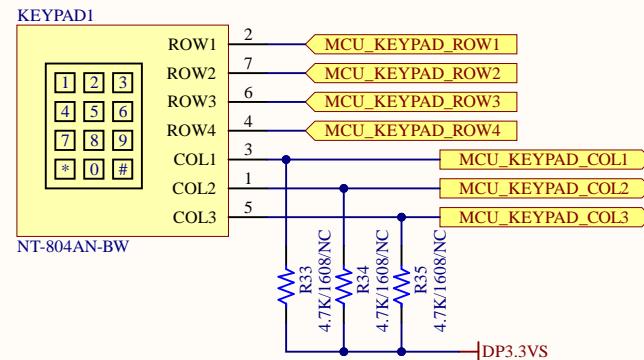
## A/D Converter



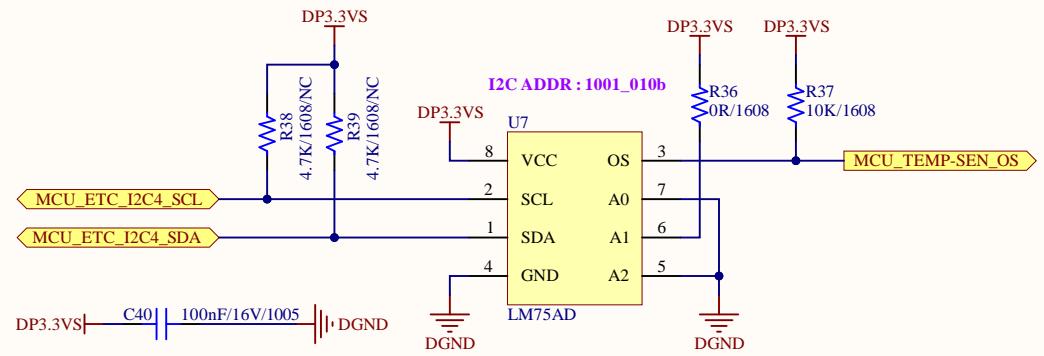
## D/A Converter



## KeyPad



## Temperature Sensor



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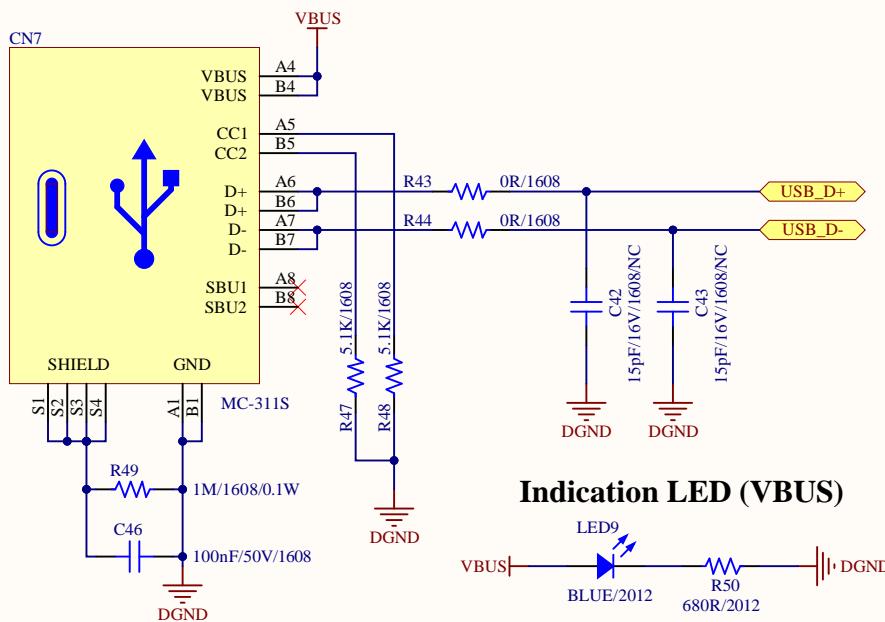


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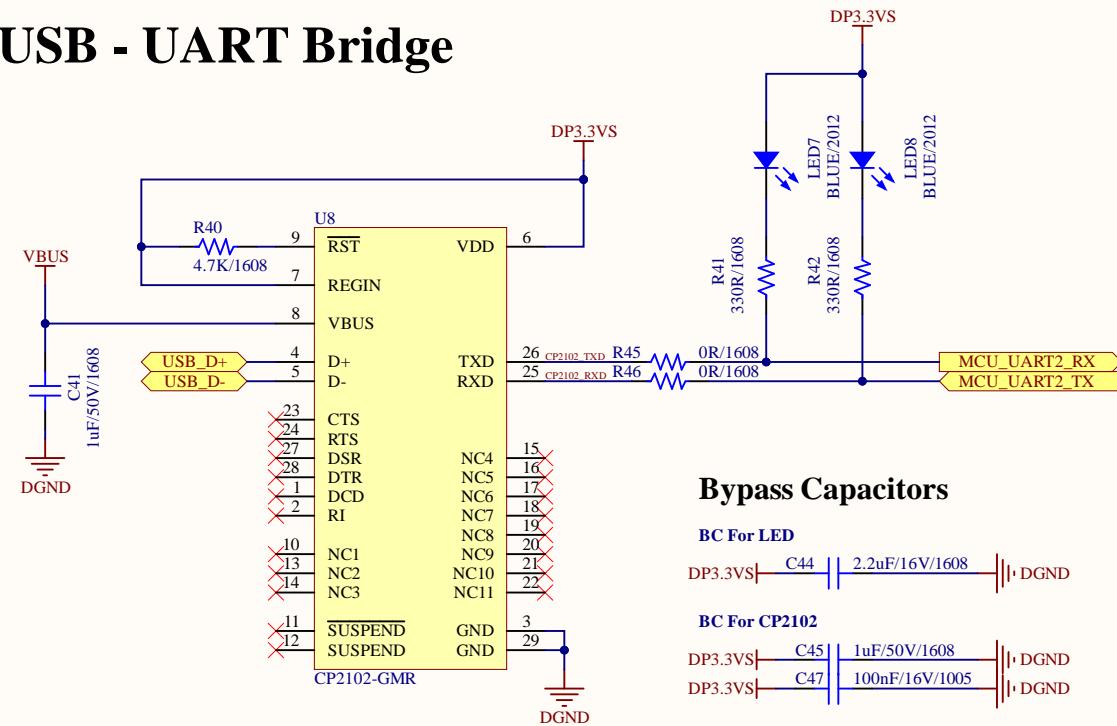
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# #6 Communication (USB-UART)

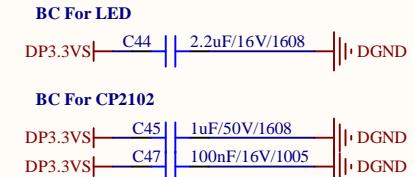
## USB Connector (Type-C)



## USB - UART Bridge



## Bypass Capacitors



Title

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