

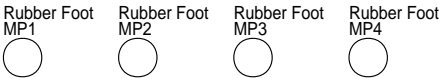
REV	COMMENT	DATE	DRAWN BY
1.0	WS Release	22/11/2022	SDD/KSS
2.0	MP Release	03/03/2023	SDD/KSS



# CK-RA6M5\_V2

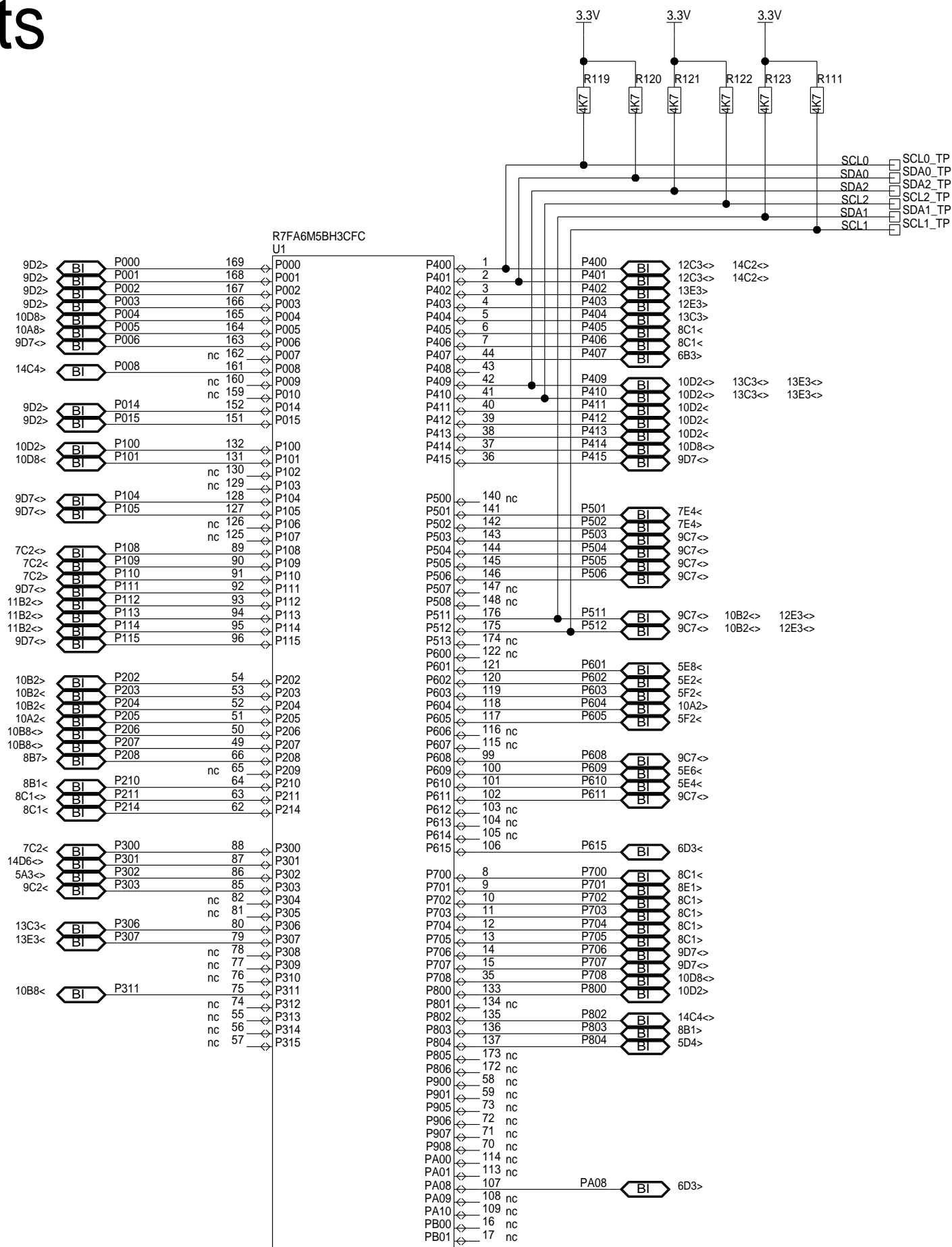
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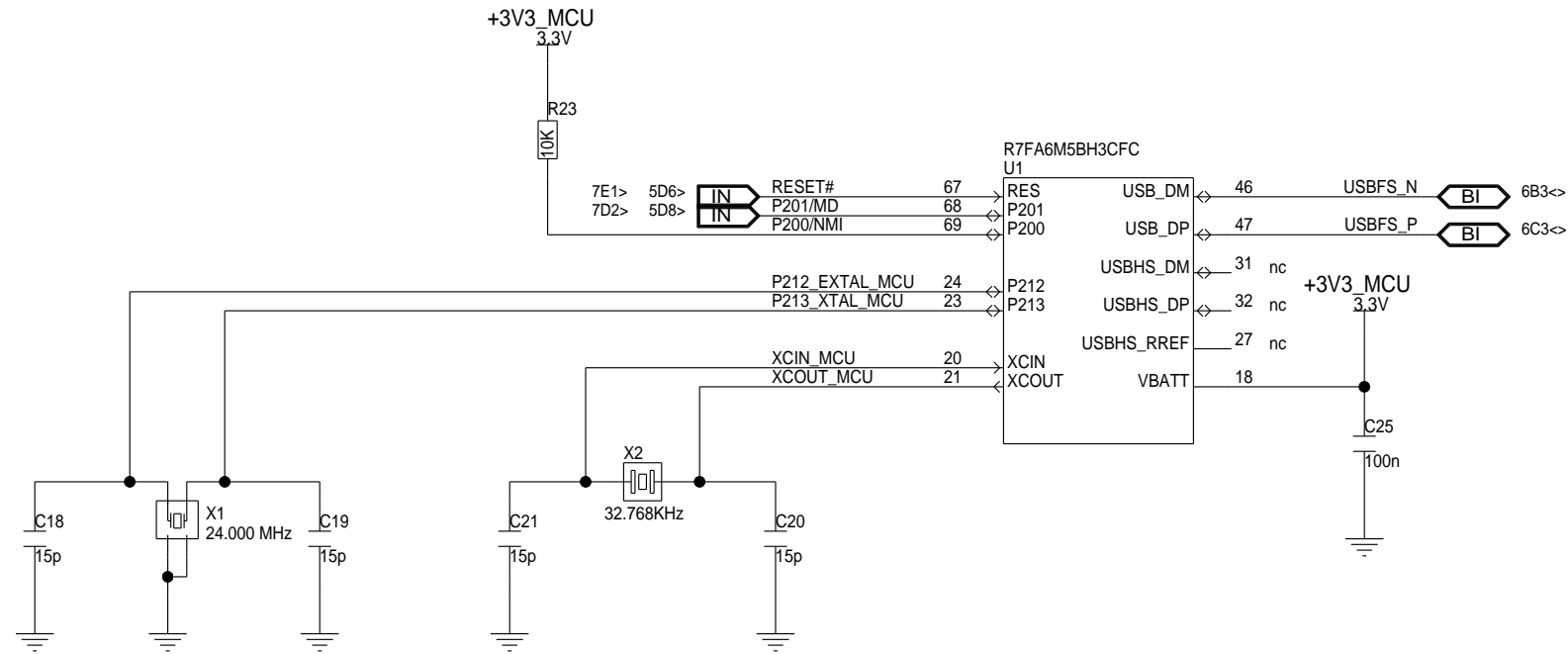


<b>RENESAS</b> Electronics Europe GmbH	
Title CK-RA6M5_V2 Title Page - RA6M5_V2 Cloud Kit	
Size A3	Document Number d019632_04
Date: Mon Mar 20 15:12:52 2023   PAGE 1 OF 14   2.0	

# RA6M5 MCU Ports

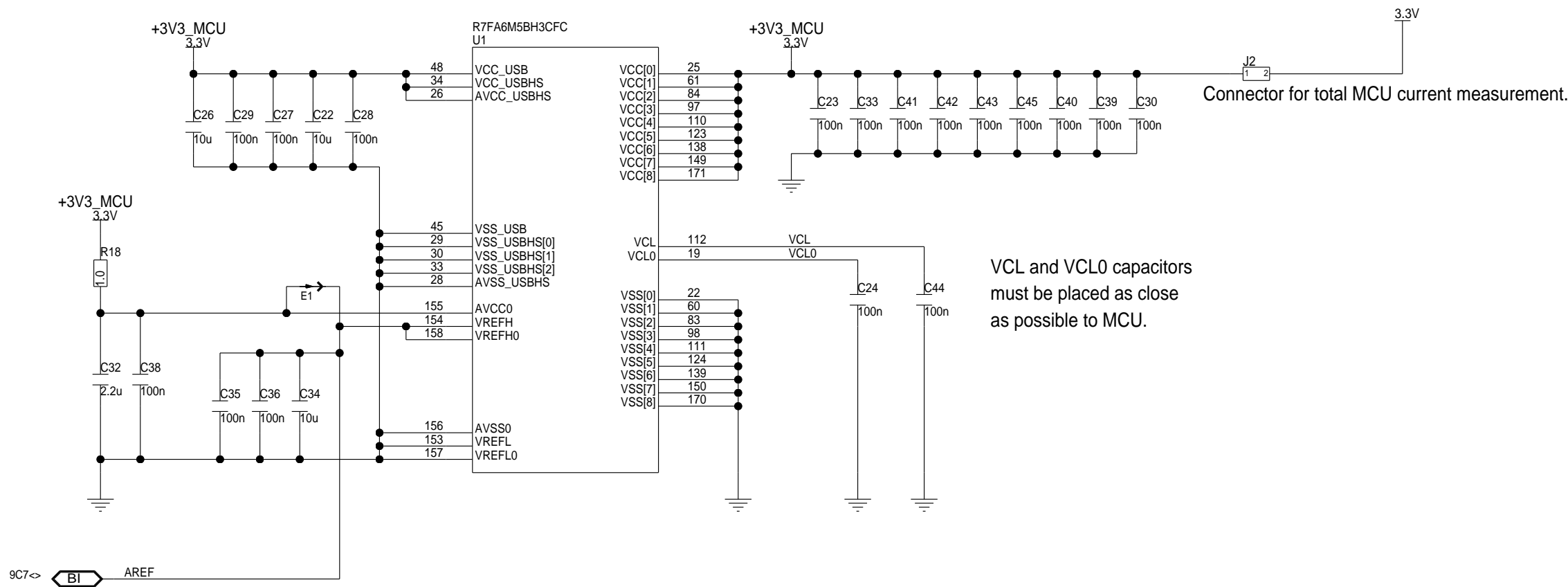


# RA6M5 MCU Clock

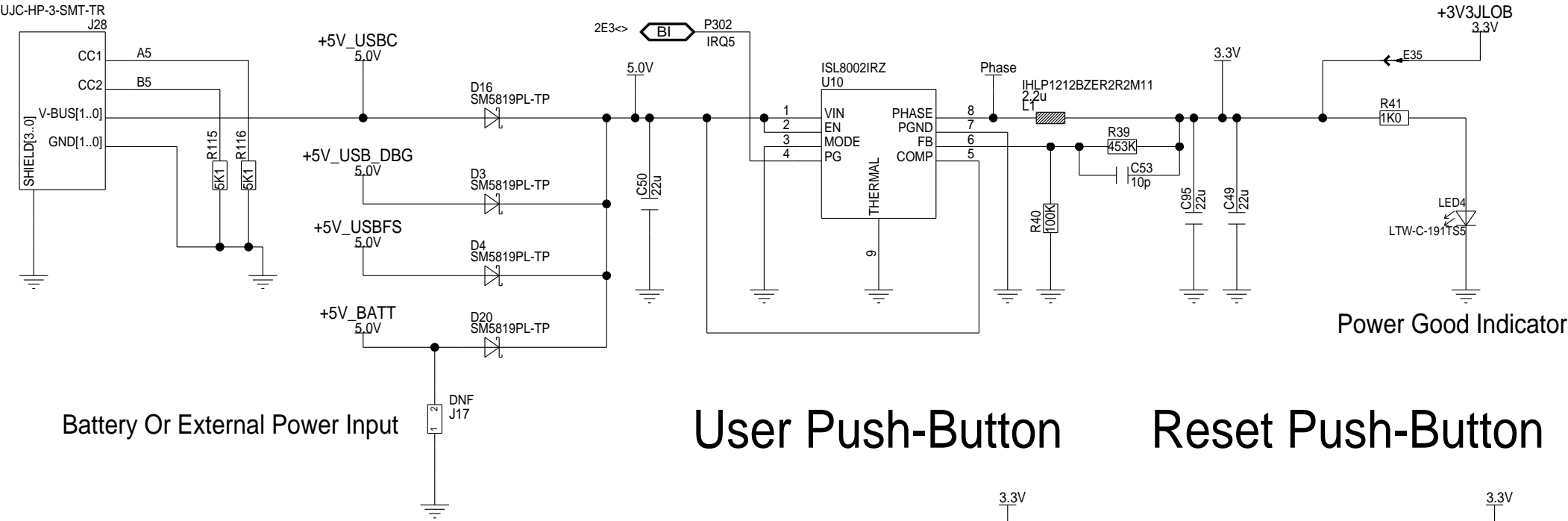


Layout Notes:  
Place clock crystals as close as possible to MCU.  
Place load capacitors as close as possible to clock crystals.

# RA6M5 MCU Power



# Power HMI

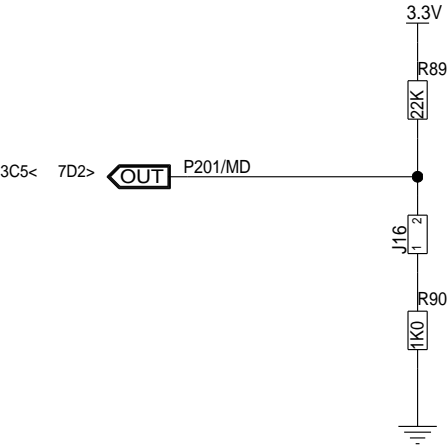
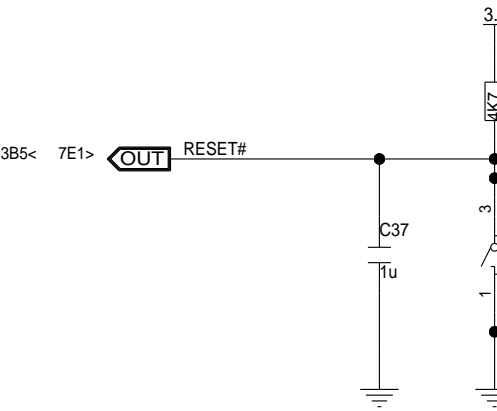
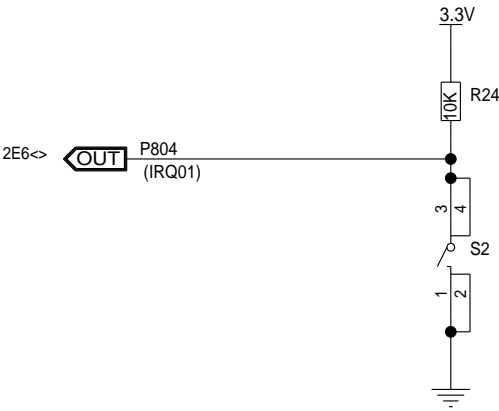


Battery Or External Power Input

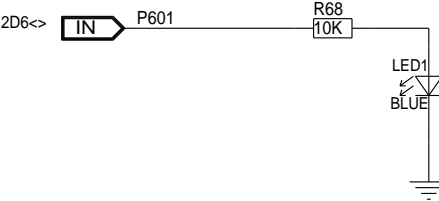
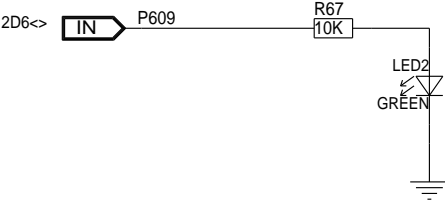
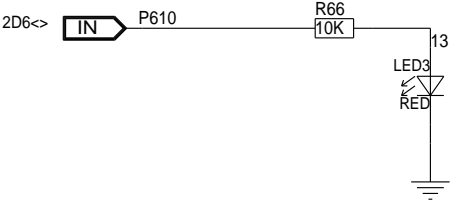
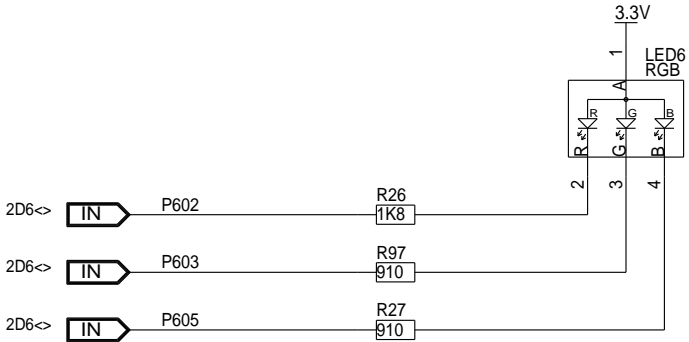
User Push-Button

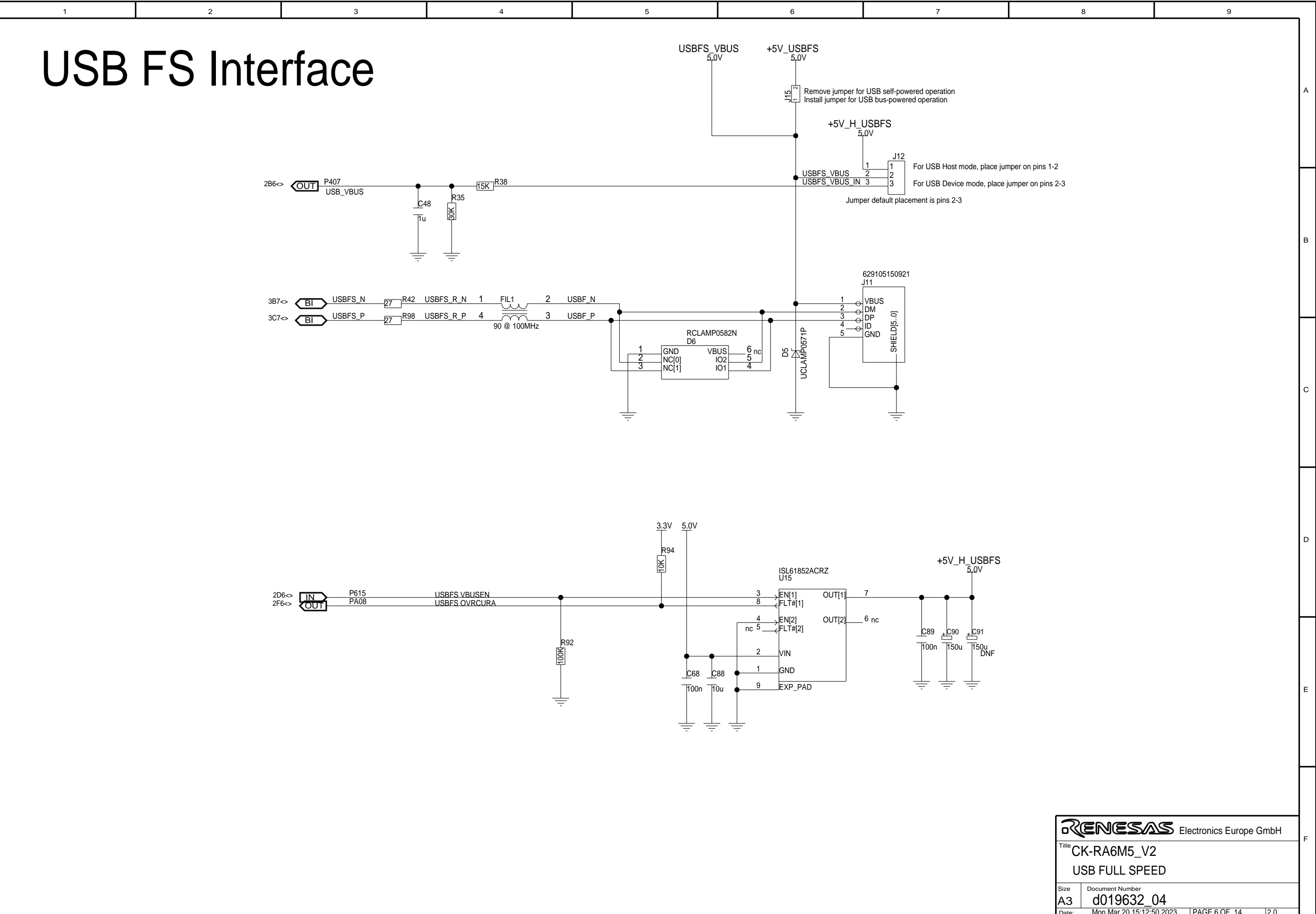
Reset Push-Button

MCU Boot Mode



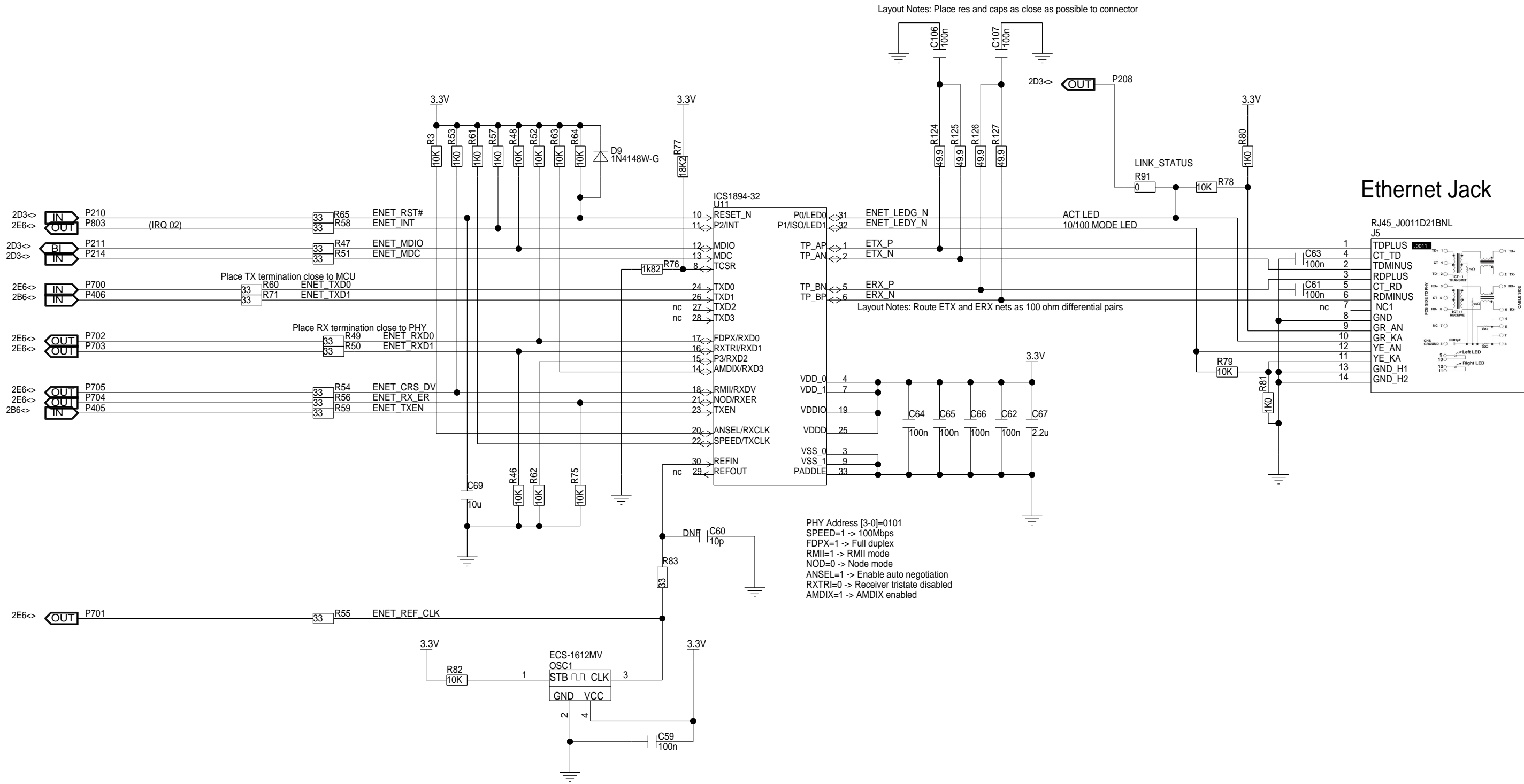
User LEDs



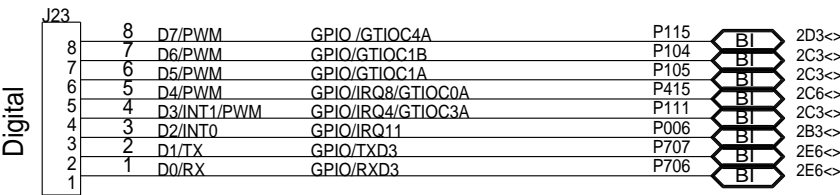
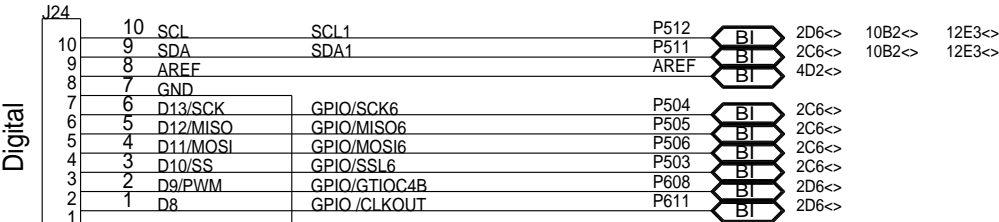
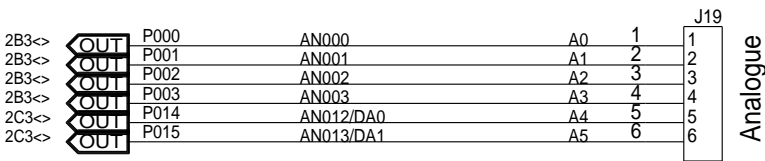
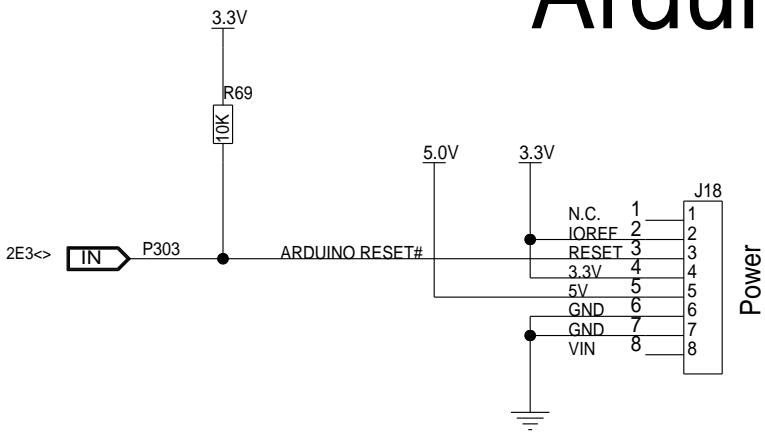
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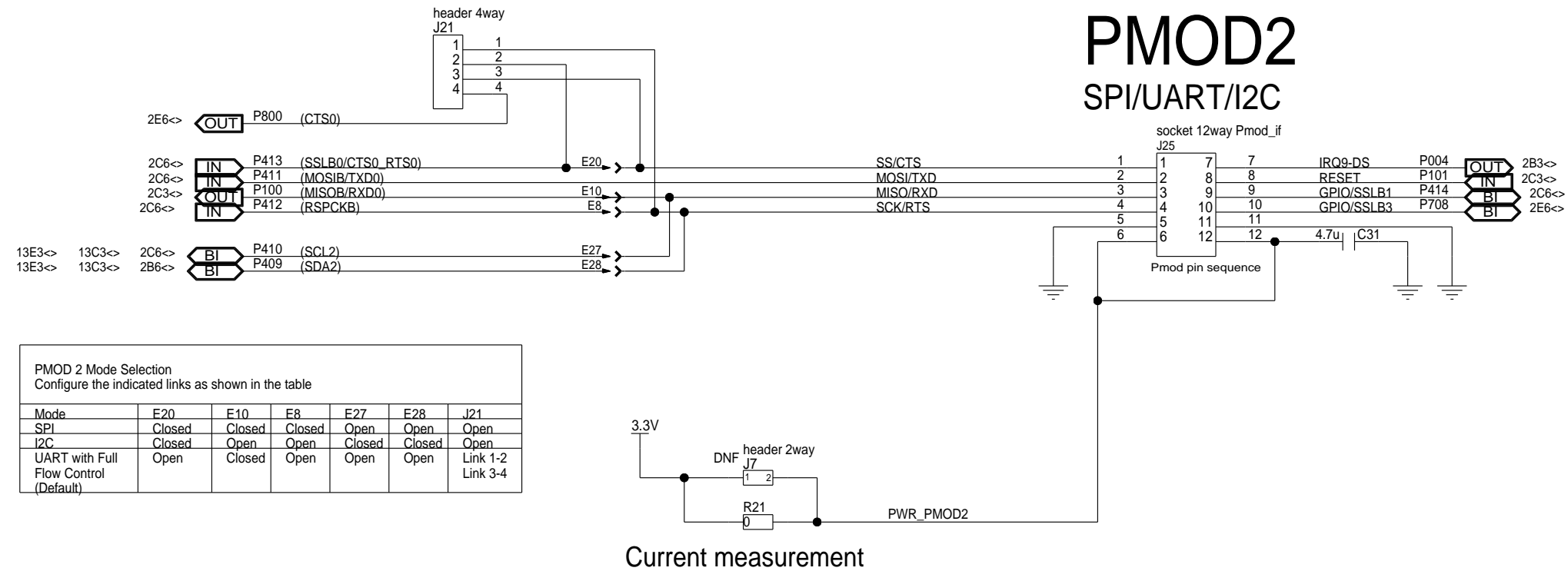
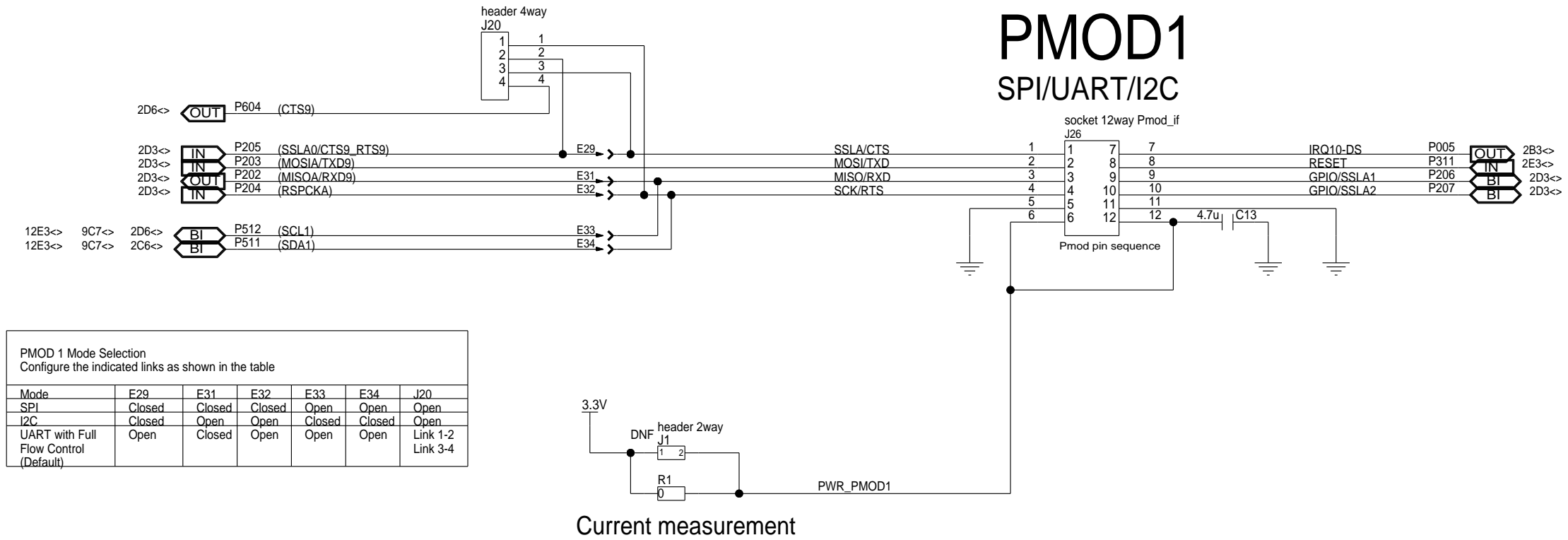


# Ethernet

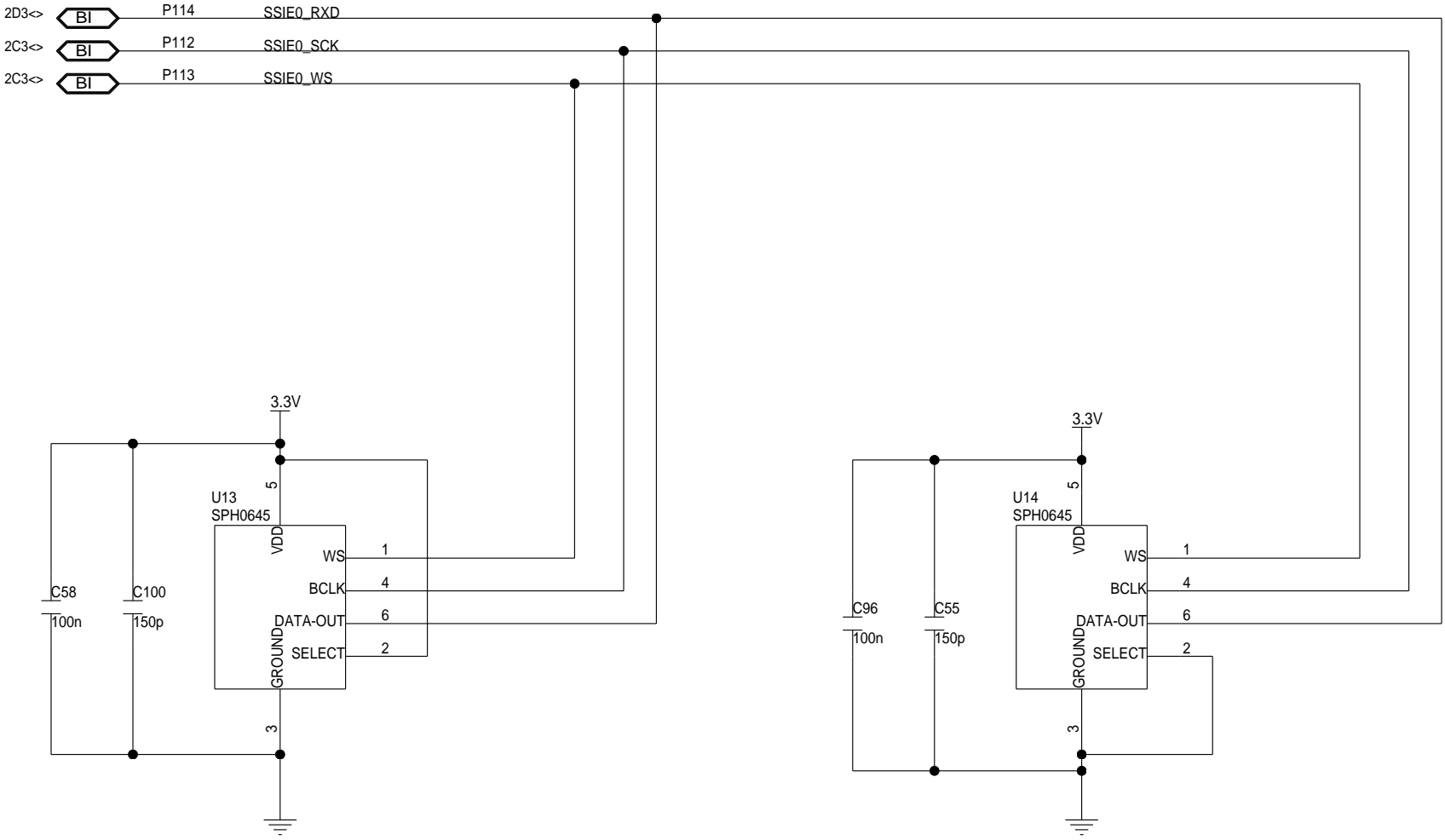


# Arduino Uno



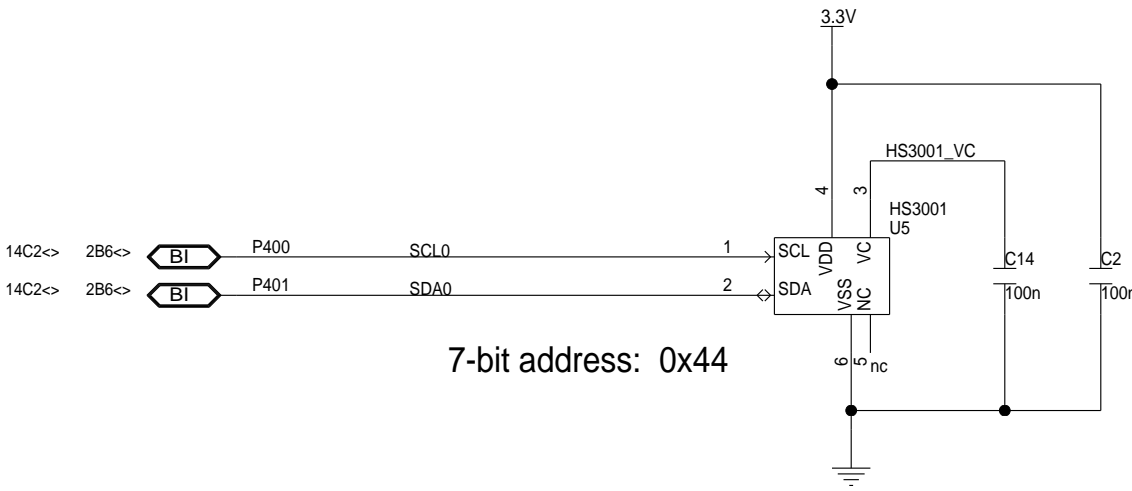


# Microphones

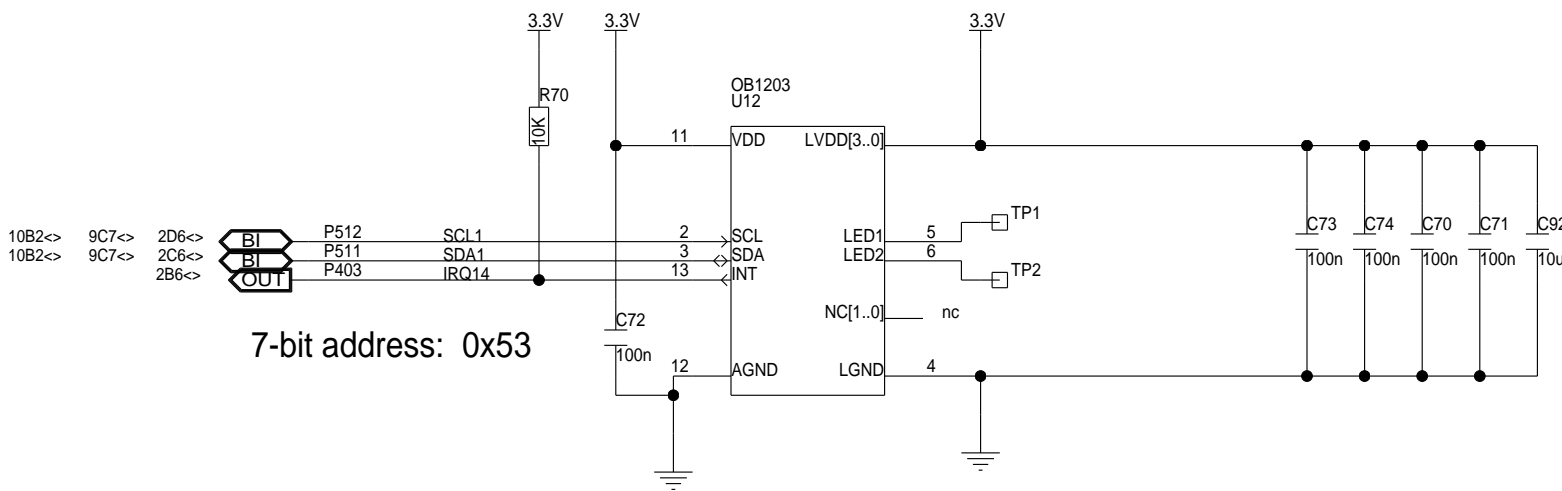


# Enviomental & Biometric Sensors

## HS3001 Temperature & Humidity Sensor



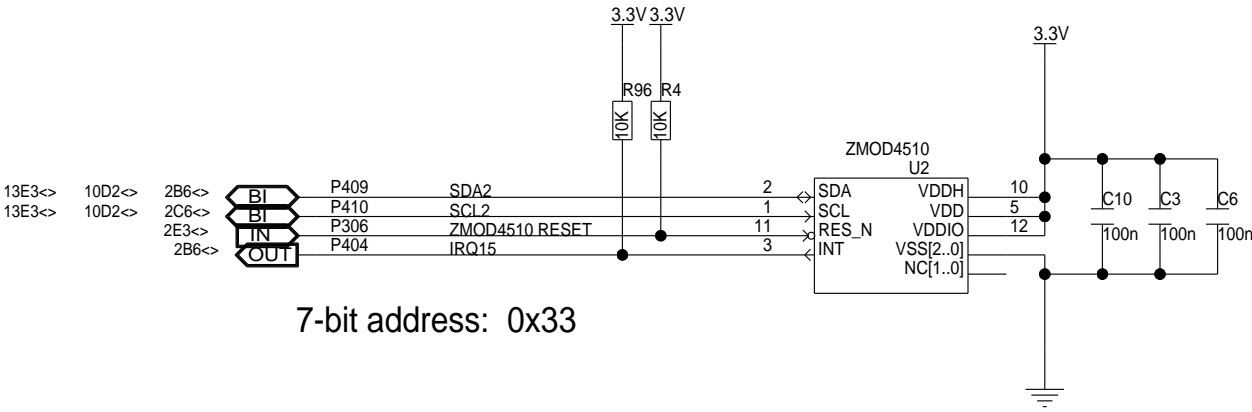
## OB1203 Biometric Sensor



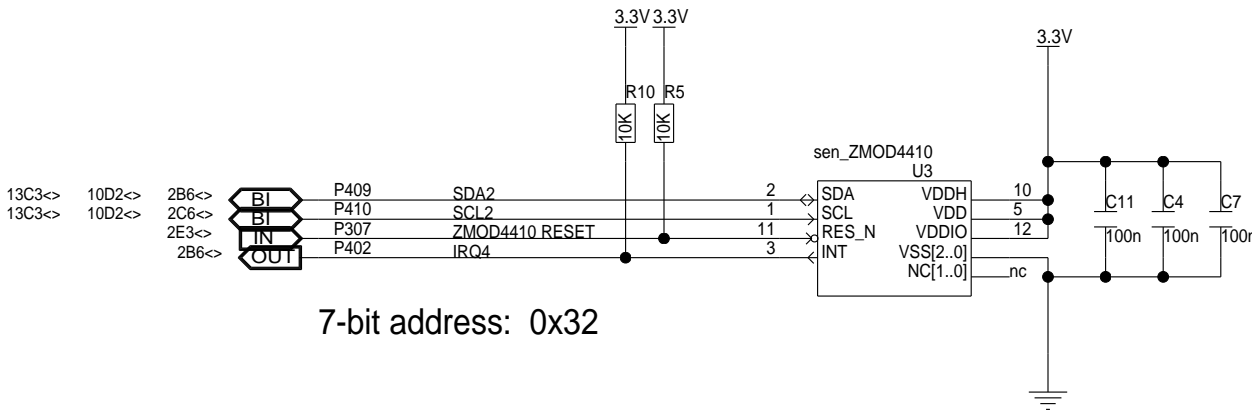
Biometric Sensor requires accurate finger placement for correct operation.  
Include mechanical finger placement device to ensure correct finger placement.

# Air Quality Sensors

## ZMOD4510 Outdoor Air Quality Sensor



## ZMOD4410 Indoor Air Quality Sensor



# Motion & Pressure Sensors

