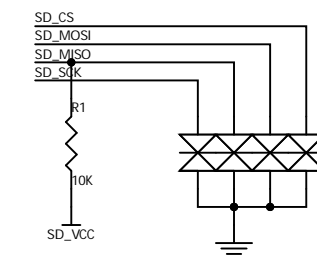
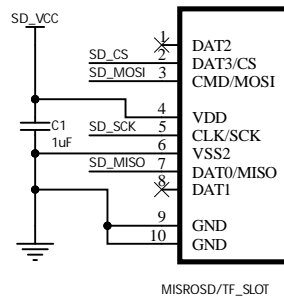
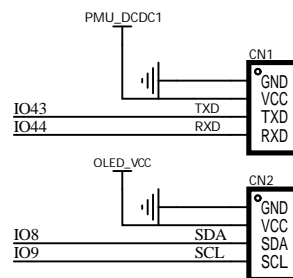


**SOC**

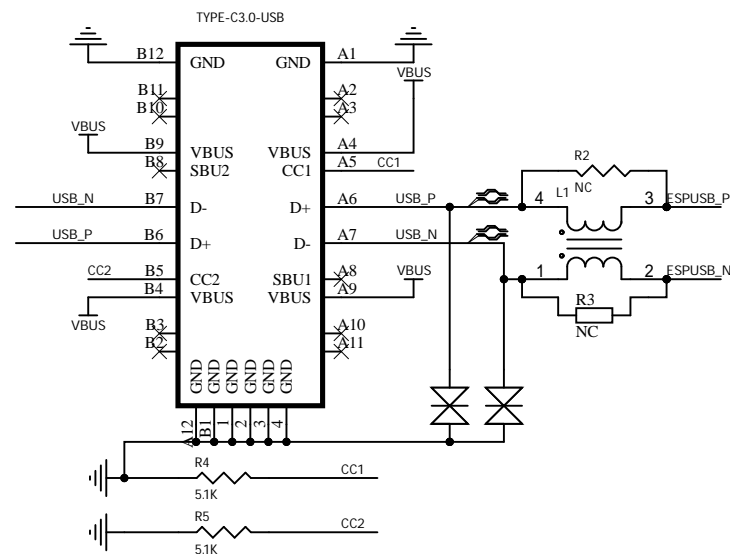
N16R8:Octal SPI occupies 5 more GPIOs than Quad SPI, namely GPIO33~GPIO37



**TF Card holder**

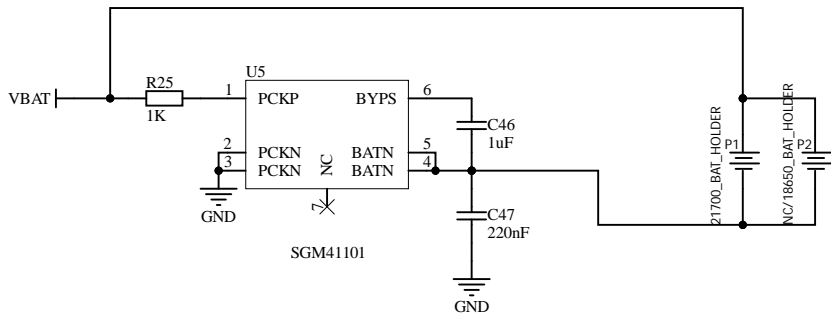


**External download**



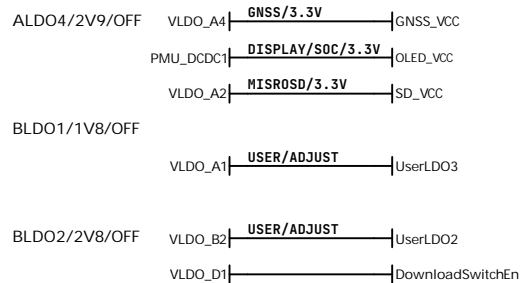
**USB-C**

Title		
Size	Number	Revision
A4		
Date:	8/05/2025	Sheet of
File:	C:\Users\...\I.SOC.SchDoc	Drawn By:

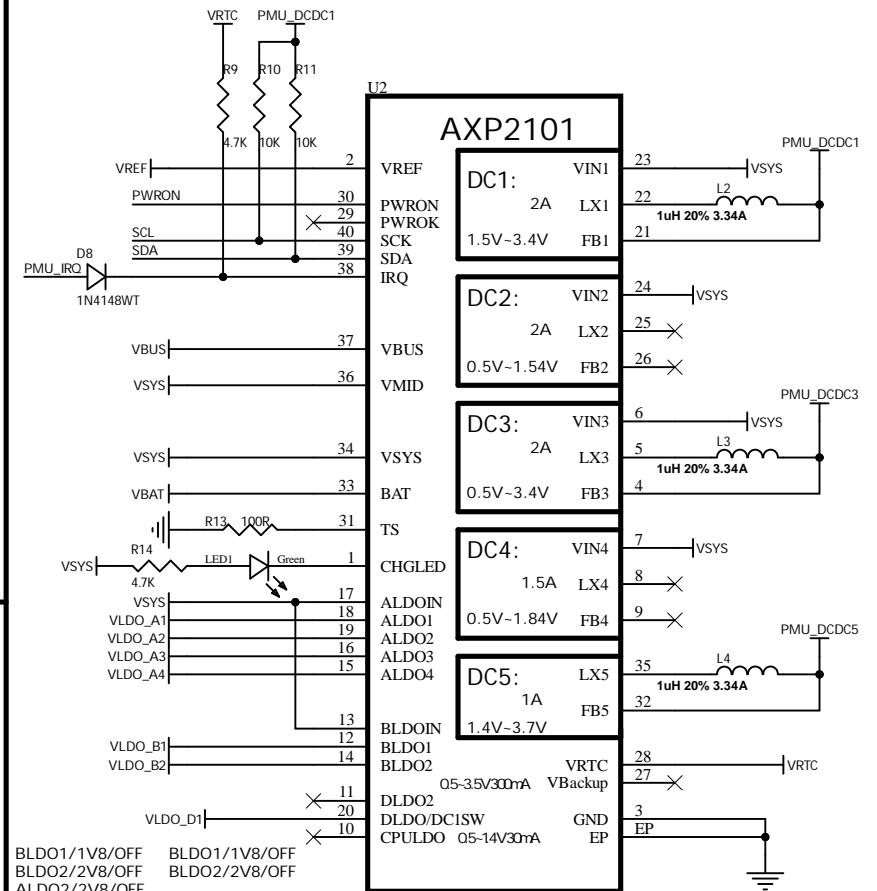
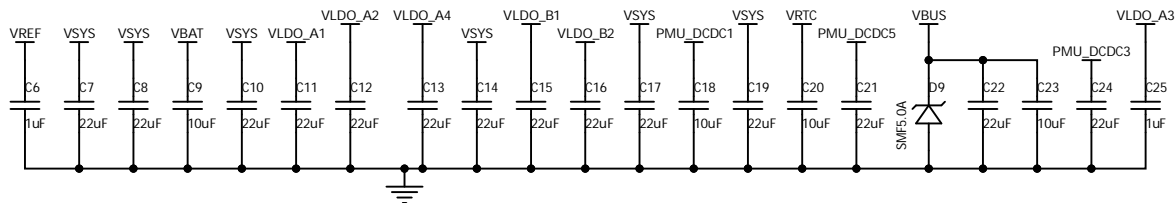


Use 21700 battery holder by default

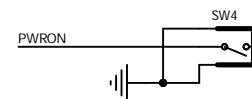
## Battery Input



## Power Domain

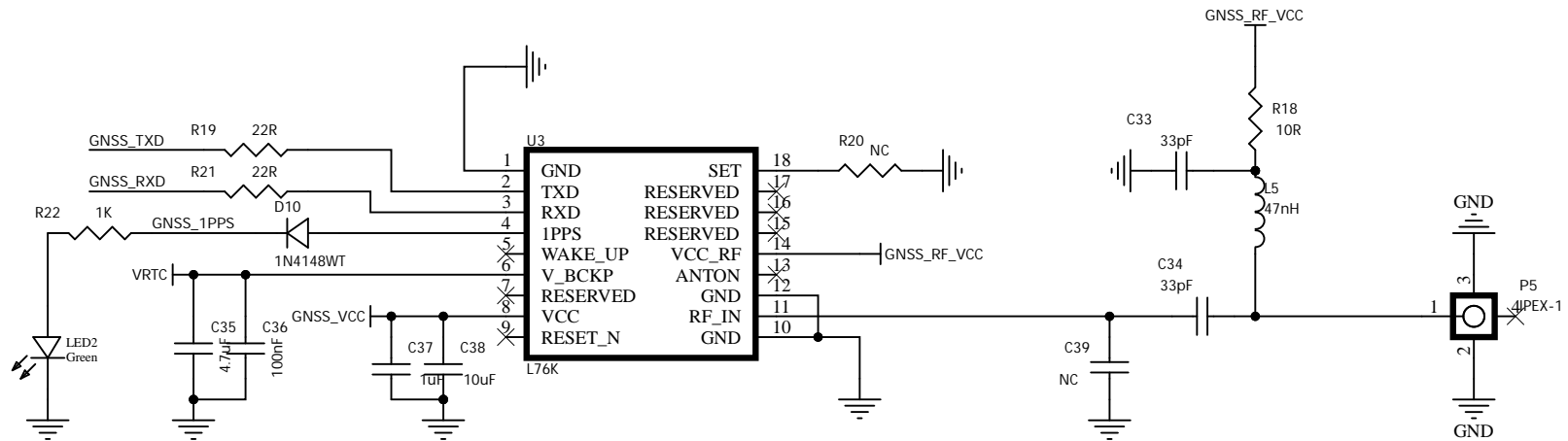


BLDO1/1V8/OFF  
BLDO2/2V8/OFF  
ALDO2/2V8/OFF  
ALDO1/1V8/ON  
ALDO3/3V3/ON  
ALDO4/2V9/OFF  
DC1/3V3/ON  
DC2/0V9/ON  
DC3/0V9/ON  
DC4/1V1/ON  
DC5/1V2/OFF  
DLDO1/3V3/OFF



## PMU

Title		
Size	Number	Revision
A4		
Date:	8/05/2025	Sheet of
File:	C:\Users\...\2.PMU.SchDoc	Drawn By:

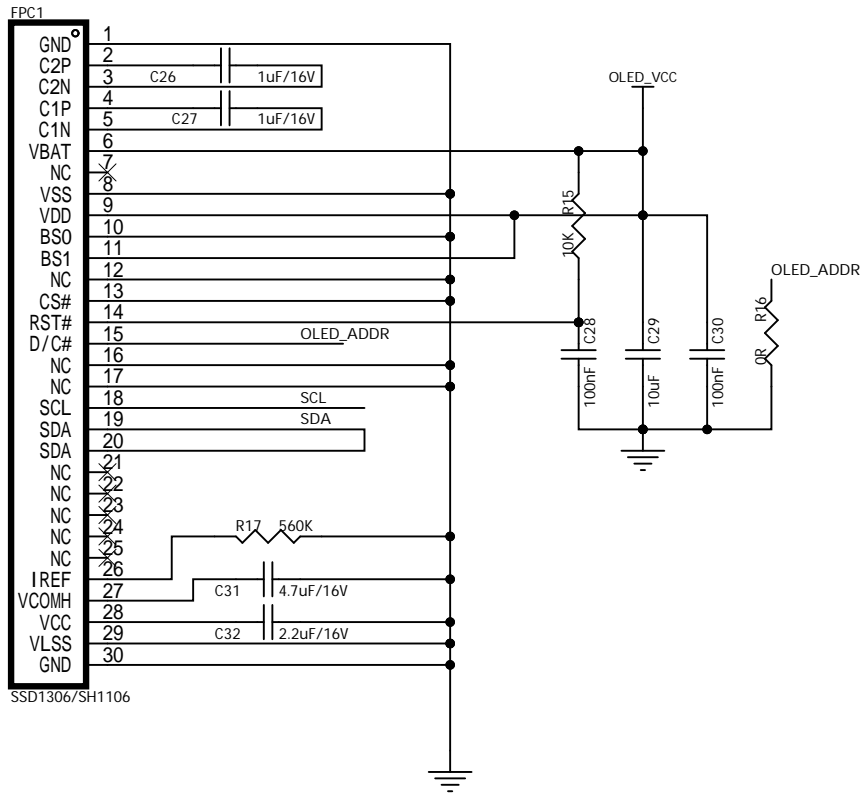


## L76K GNSS Module

R34 = 0R, Select GPS + GLONASS

R34 = NC, Select BeiDou + GPS

Title		
Size	Number	Revision
A		
Date:	8/05/2025	Sheet of
File:	C:\Users\...\4.GNSS.SchDoc	Drawn By:

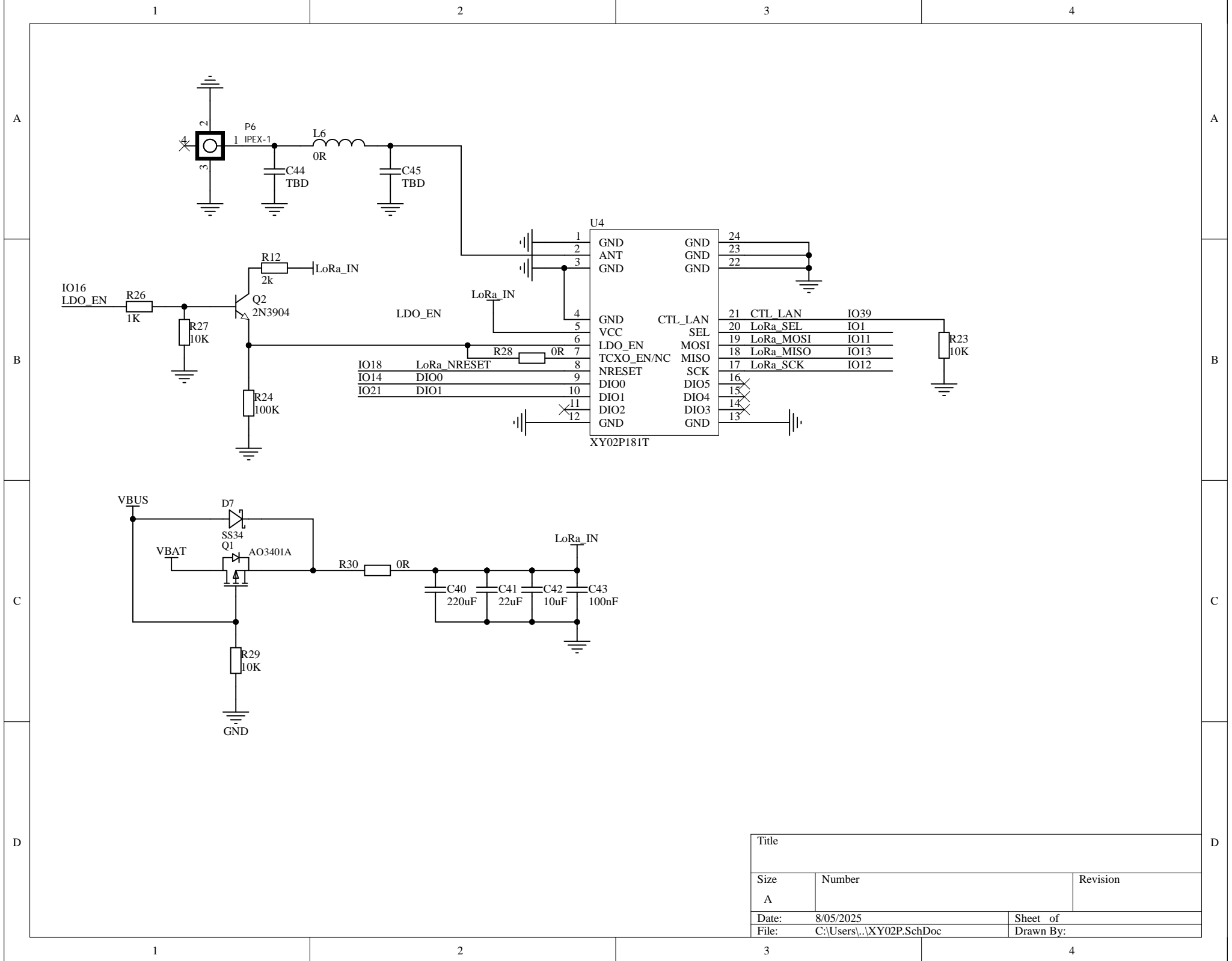


# OLED Display

Slave 7 bit address definition:

VHF: R52 = 0R R51 = NC 0X3C

Title		
Size	Number	Revision
A		
Date:	8/05/2025	Sheet of
File:	C:\Users\...\5.DISPLAY.SchDoc	Drawn By:



Title		
Size	Number	Revision
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Date:	8/05/2025	Sheet of
File:	C:\Users\...\XY02P.SchDoc	Drawn By:

A

A

B

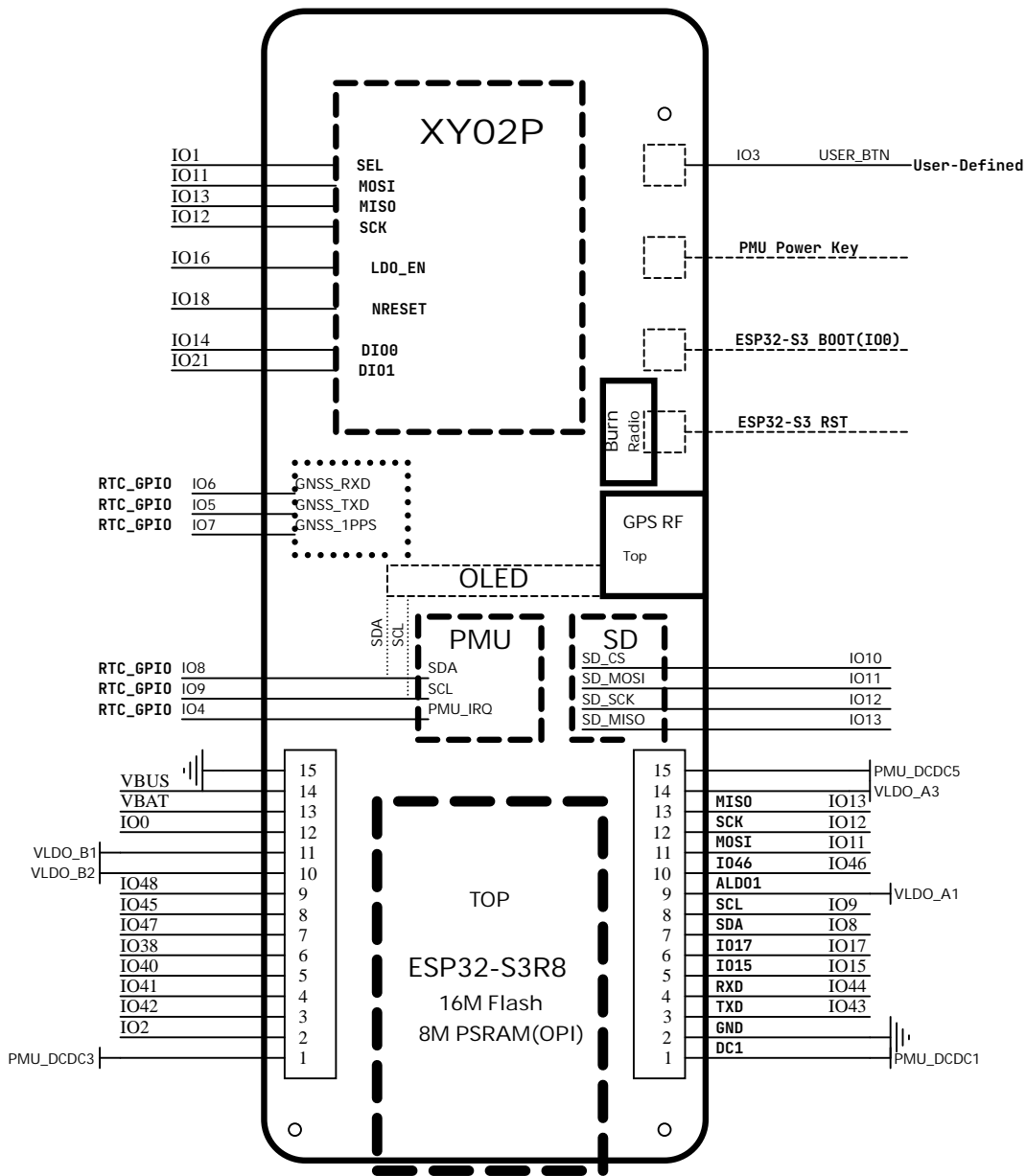
B

C

C

D

D



Title		
Size	Number	Revision
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Date:	8/05/2025	Sheet of
File:	C:\Users\...\7.Pins.SchDoc	Drawn By: