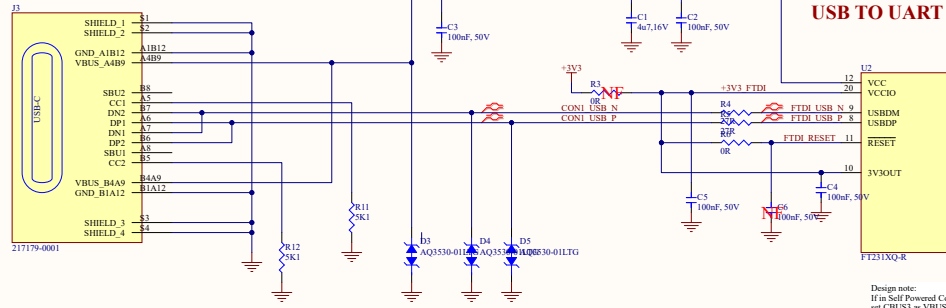


# ESP32 WITH USB-C

## USB-C CONNECTOR 1

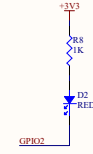


**Design note:**  
If in Self Powered Configuration  
set CBUS3 as VBUS SENSE.

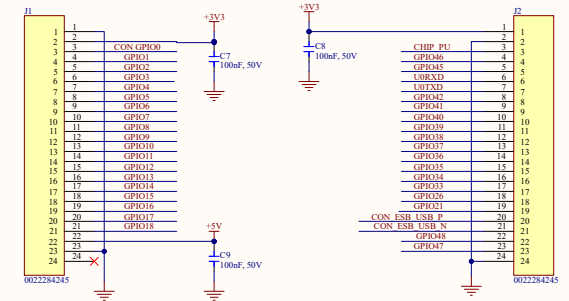
**POWER LED**



## USER LED

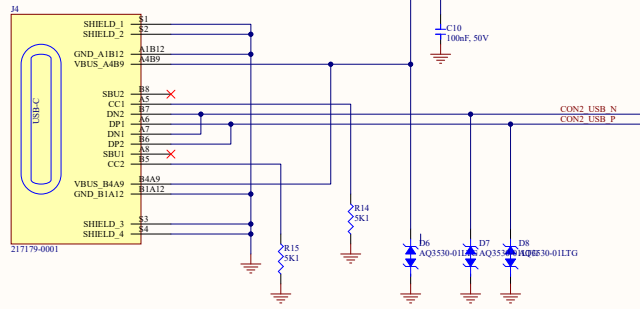


## HEADERS

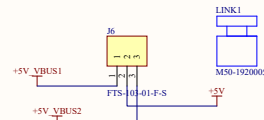


Design note:  
+5V can be possibly used as an input power (if configured correctly)

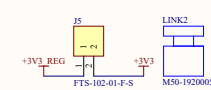
## USB-C CONNECTOR 2



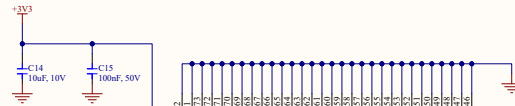
## 5V POWER SELECTION



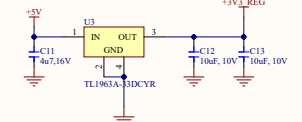
### 3V3 POWER SELECTION



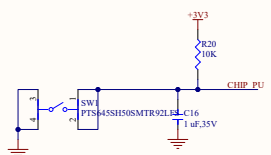
## ESP32 MODULE



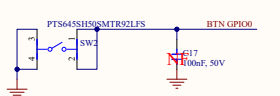
## 5V TO 3V3



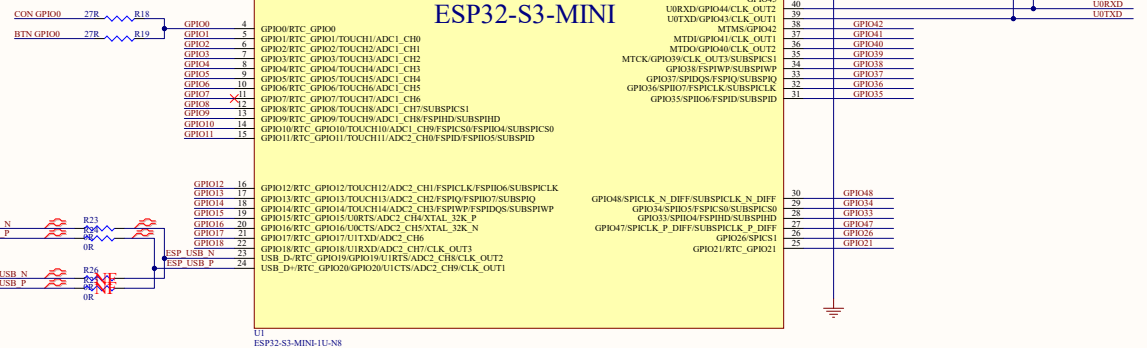
## RESET BUTTON



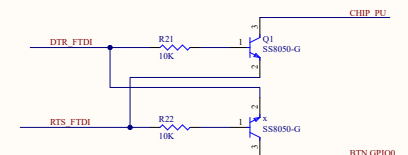
## BOOT / USER BUTTON



## ESP32-S3-MINI



## SERIAL SIGNALS HANDLING



Title			
ESP32 WITH USB-C		Pamiyan Namazi Fard	
Size A2	Number		Revision
Date:	9-01-2025	Sheet of	
File:	C:\Users\...ESB32withusb.c_SchDoc	Drawn By:	