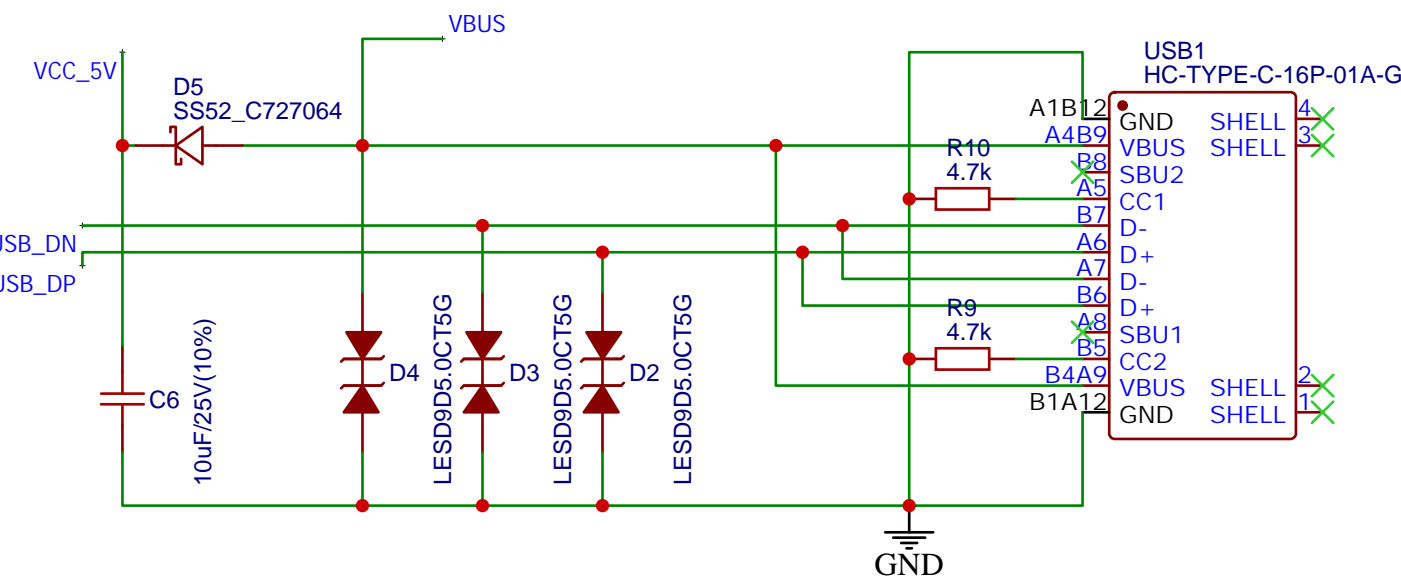
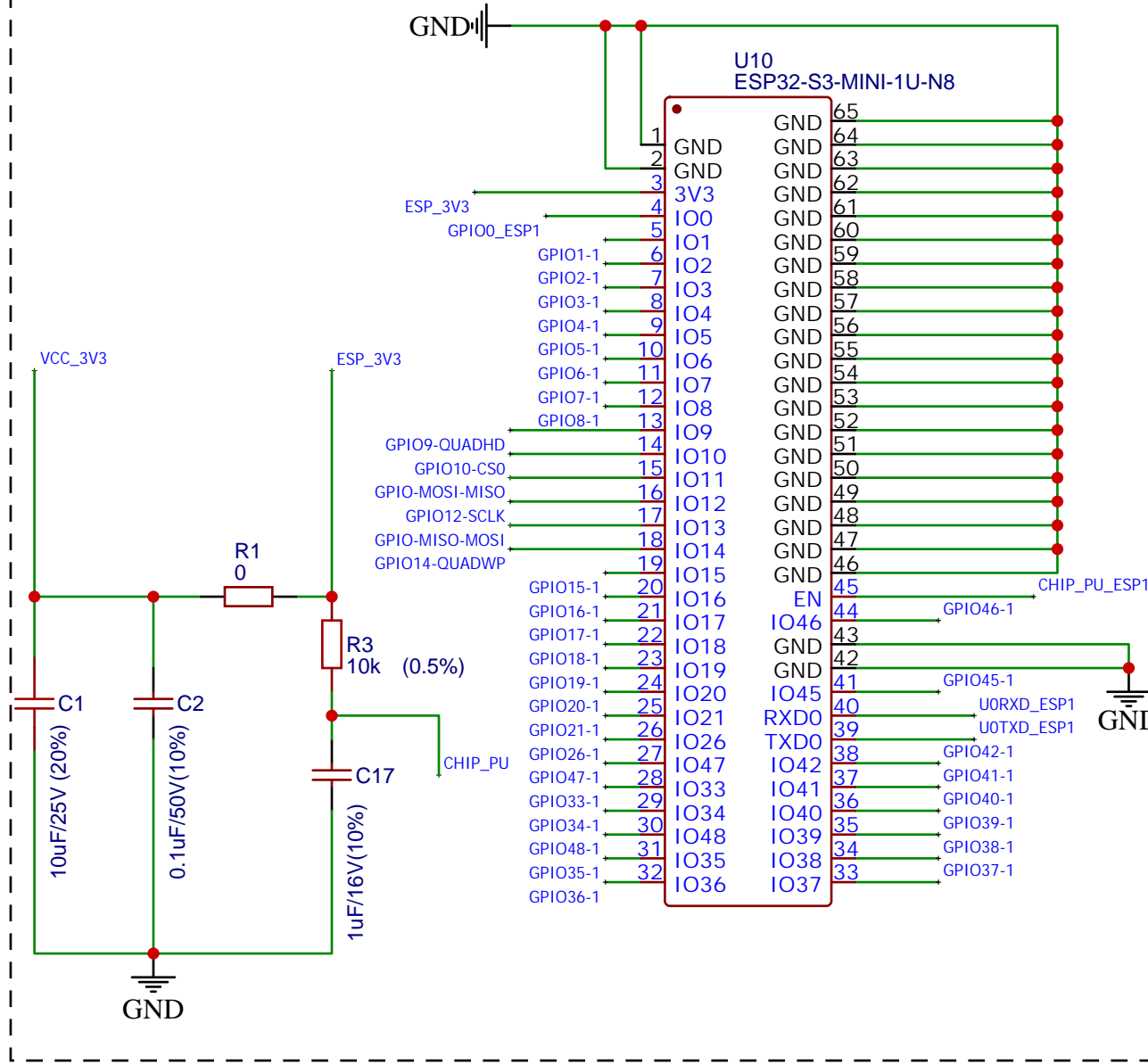


## USB to UART Bridge Circuit

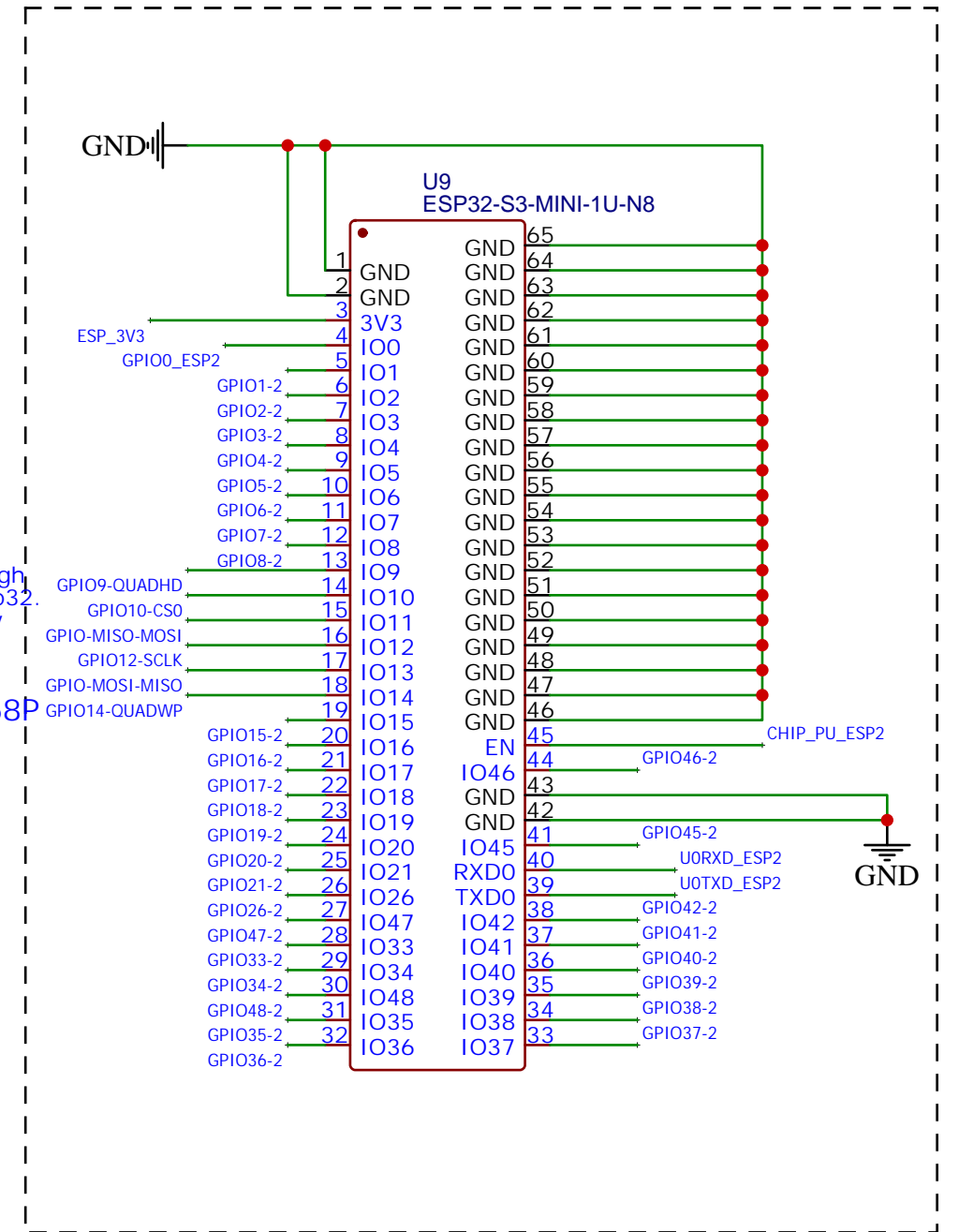


## ESP32-S3 ESP32-1



Comment for Next Design:  
CHIP\_PU & GPIO0 Should be high  
for normal function for both esp32.  
So, the SWT need to guide only  
U0TXD & U0RXD to program  
each esp32 separately

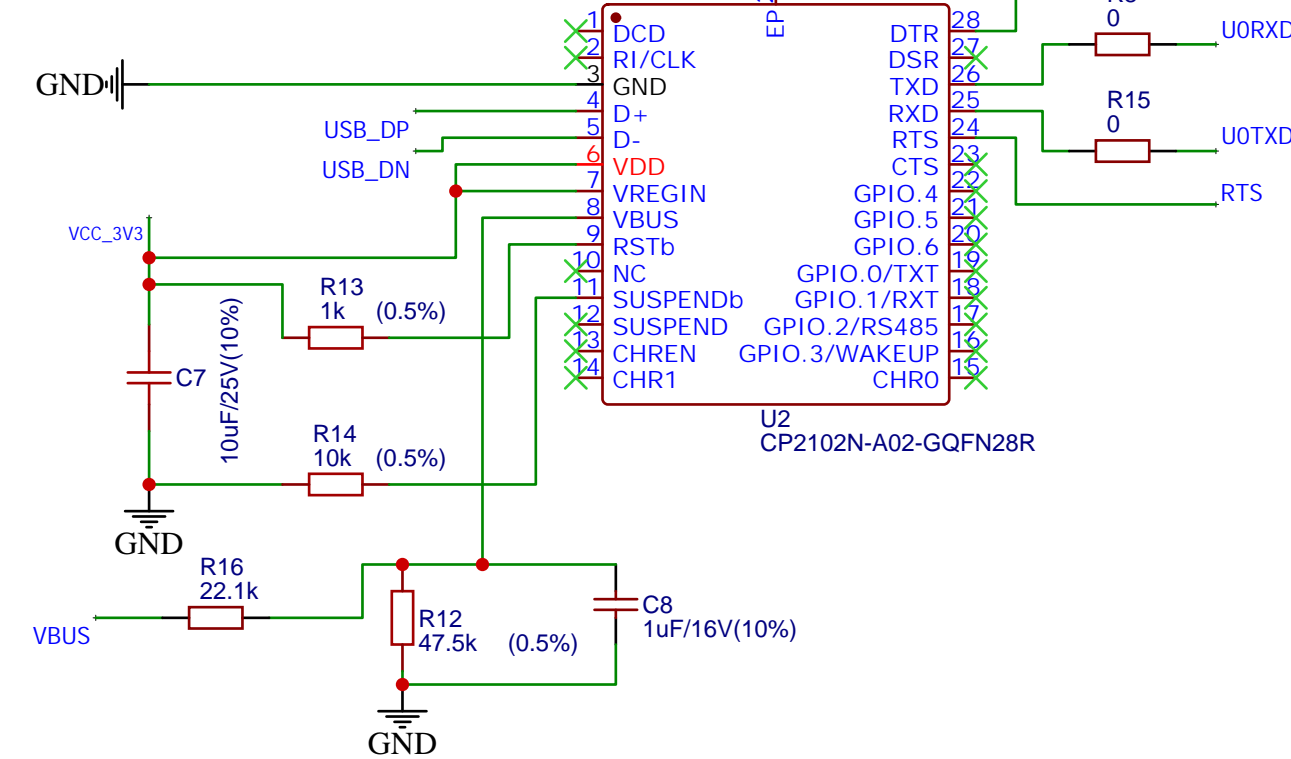
Slide switch Alt: K3-2268P



## Connector Pinout - Female

Cable is : C2857767

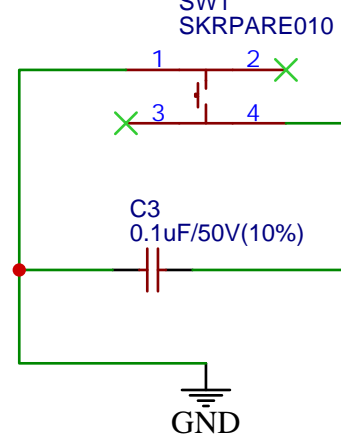
## USB to UART



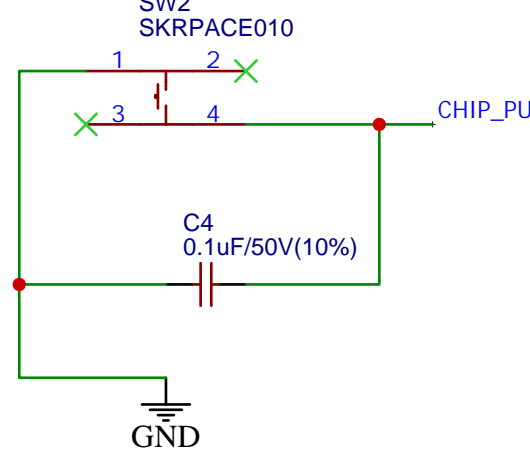
## Power Management

Power max 12v 3A

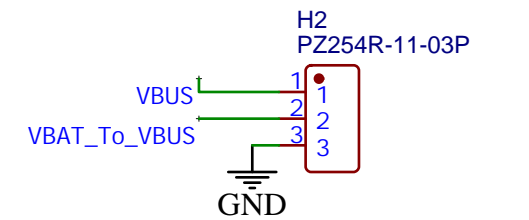
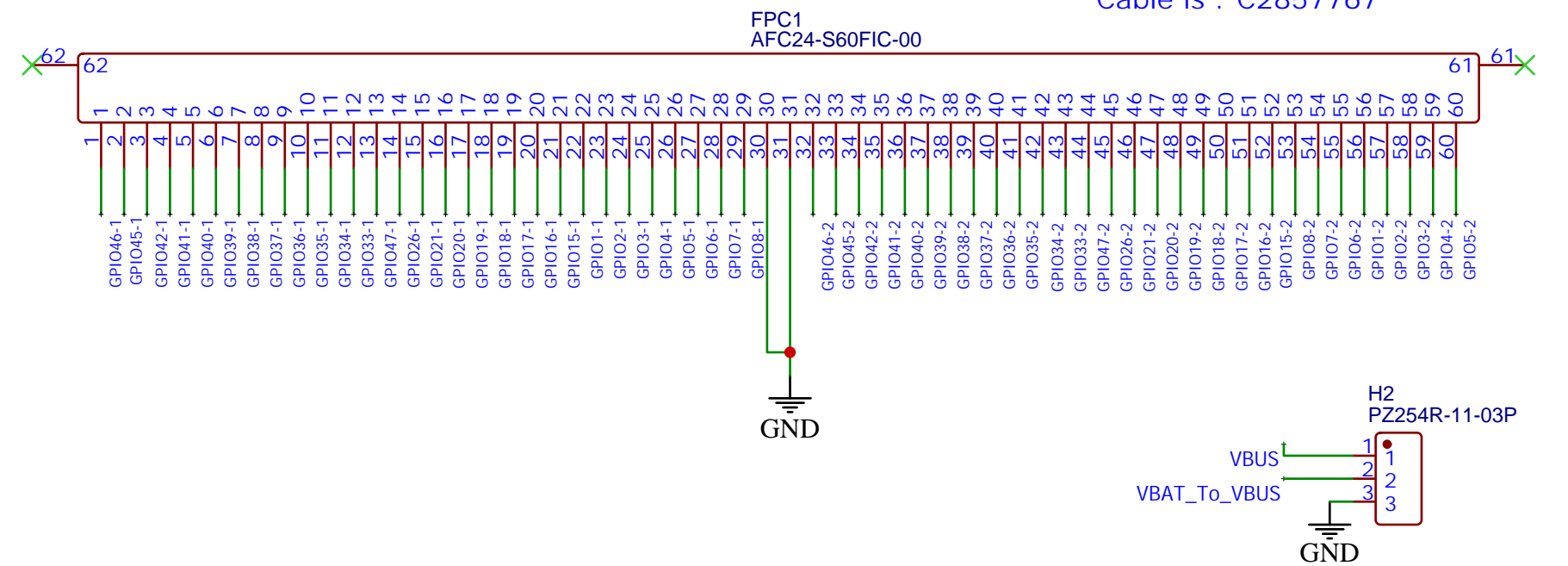
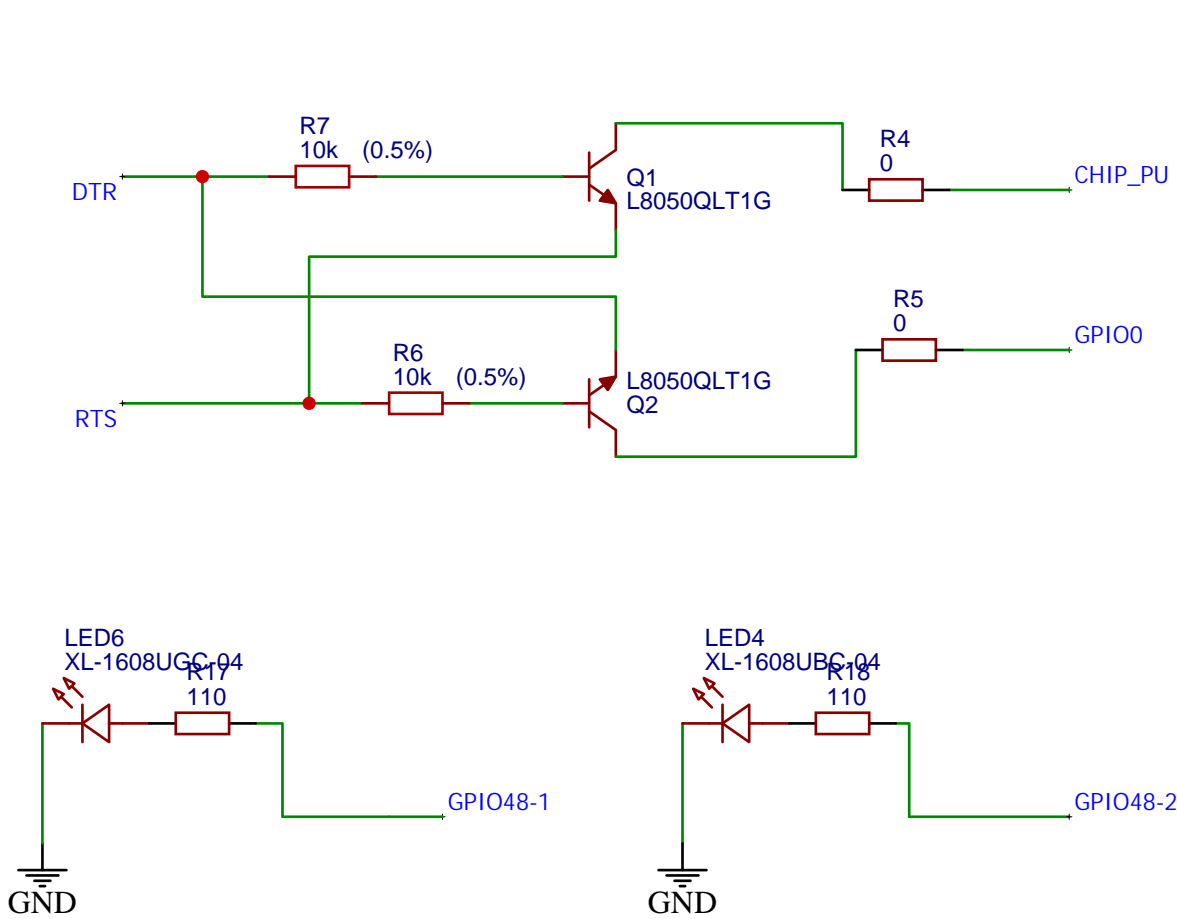
## Boot Button



## Reset Button



## ESP USB (USB Device Interface Circuit)



ESP32-S3-DevKitM-1 Schematic: [https://dl.espressif.com/dl/schematics/SCH\\_ESP32-S3-DEVKITM-1\\_V1\\_20210310A.pdf](https://dl.espressif.com/dl/schematics/SCH_ESP32-S3-DEVKITM-1_V1_20210310A.pdf)

ESP32-S3 Datasheet: [https://www.espressif.com/sites/default/files/documentation/esp32-s3-mini-1u\\_mini-1u\\_datasheet\\_en.pdf](https://www.espressif.com/sites/default/files/documentation/esp32-s3-mini-1u_mini-1u_datasheet_en.pdf)

TITLE: ESP32-S3 Dual Controller Board		REV: 1.0
EasyEDA	Company: AliNK	Sheet: 1/1
	Date: 2024-02-24	Drawn By: alinajm7