

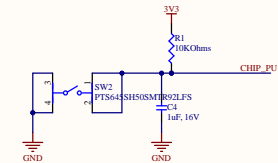
ESP32 MINI PROJECT WITH USB - DESIGNED BY SRIKAR GUNDA

ESP32 MINI DATA SHEET: https://docs.espressif.com/projects/esp-dev-kits/en/latest/esp32s3/esp32-s3-devkitm-1/user_guide.html#related-documents

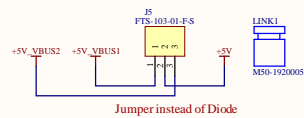
USER SWITCH



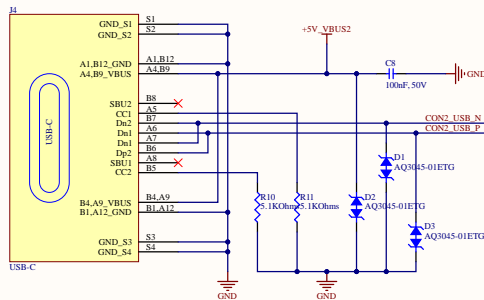
RESET SWITCH



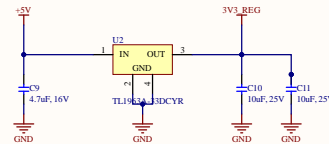
5V POWER SELECTION



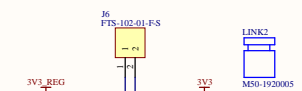
USB-C CONNECTOR 2



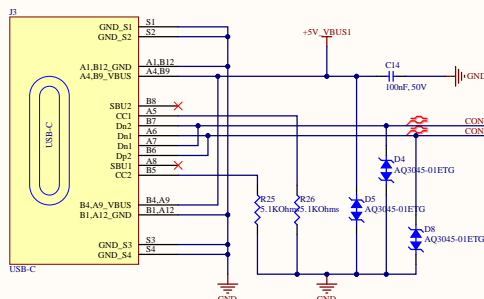
5V TO 3.3V CONVERTER (REGULATOR)



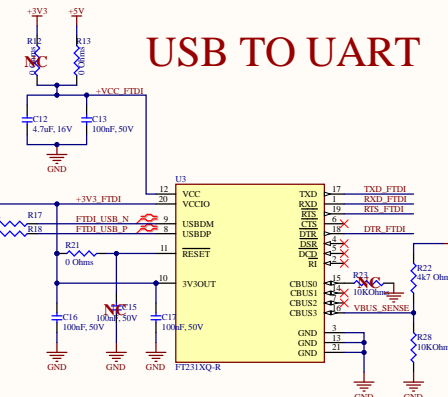
3V3 POWER SELECTION



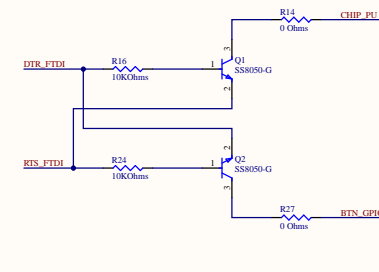
USB-C CONNECTOR 1



USB TO UART



SERIAL SIGNALS HANDLING



USER LED POWER LED



From FTDI chip design data sheet: 6.2 Self Powered Configuration, I have chosen CHUS3 to connect the voltage divider. But according to the data sheet, we can use any one of these pins CHUS0, CHUS1, CHUS2, CHUS3.

Resistor 10K Ohms across CHUS0 is used just for fun, this could help us to analyse and used to test post fabrication.

Title: INDEPENDENT PROJECT ESP32 MINI USB - DESIGNED BY SRIKAR GUNDA		
ALSO REFERRED SOME OF THE CHANNELS TO CLEAR MY MINDS, SPECIFICALLY "MIGHTY PERAK" -		
Size	Number	Revision
A2	1	1
Date:	17-01-2025	Sheet of
File:	C:\Users\JESIP32\SCHEMATIC\SchDoc	Drawn By:

Board Stack Report