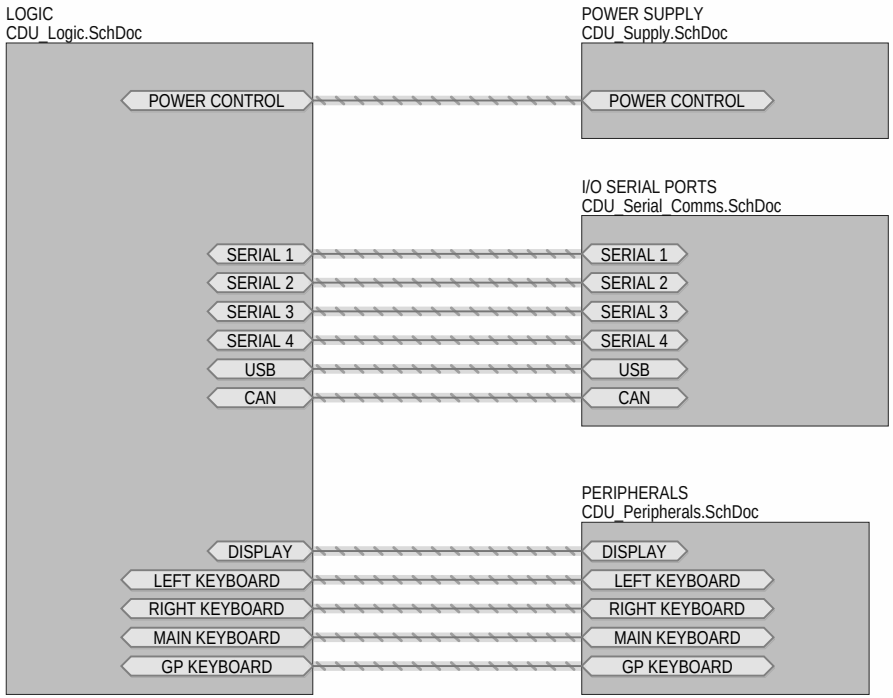
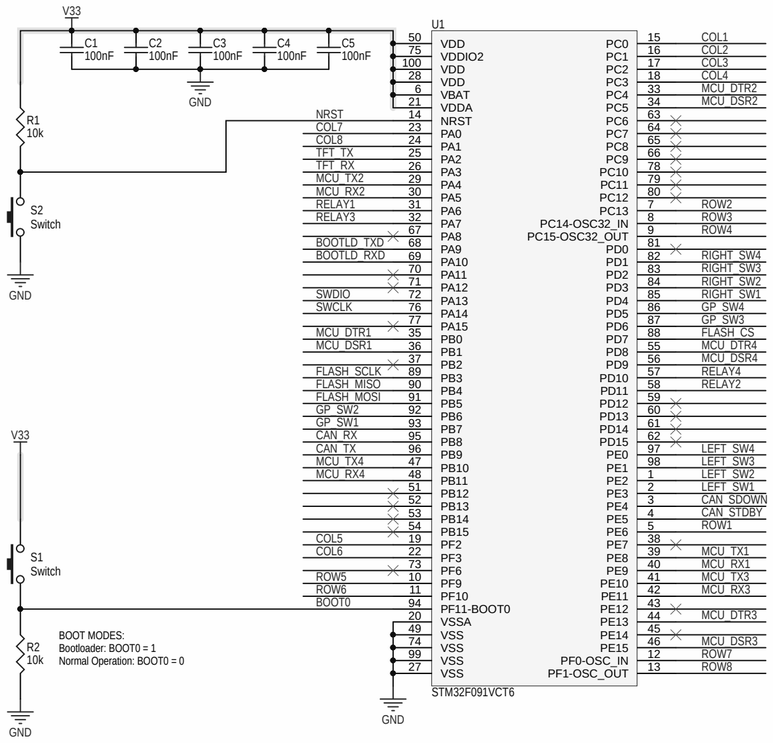
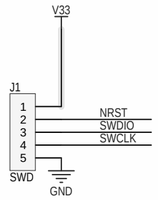


CDU - Project			
Size: A4	Number: 1.	Version: 1.1	Sheet 1 of 5
File: CDU_Project.SchDoc			
Date: 15-07-2024	Author: GPD		

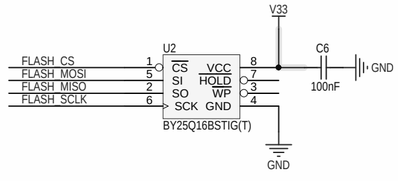
MAIN CONTROLLER



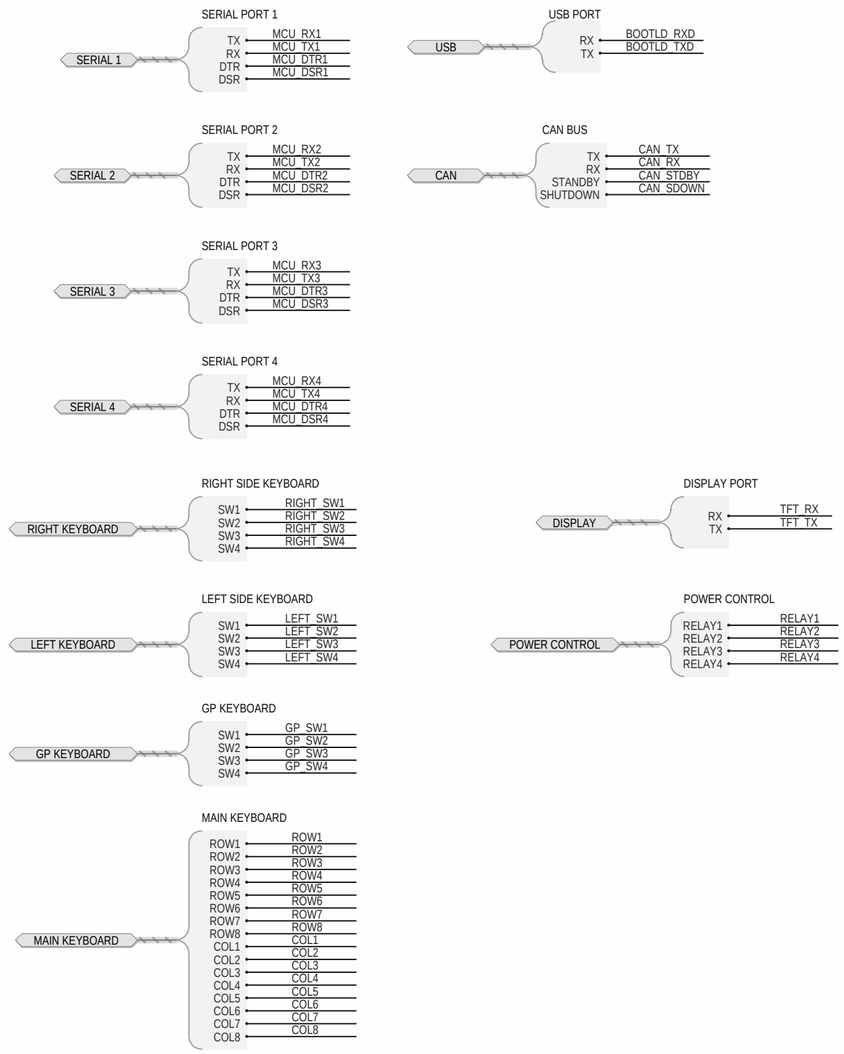
PROGRAM / DEBUG PORT



FLASH MEMORY

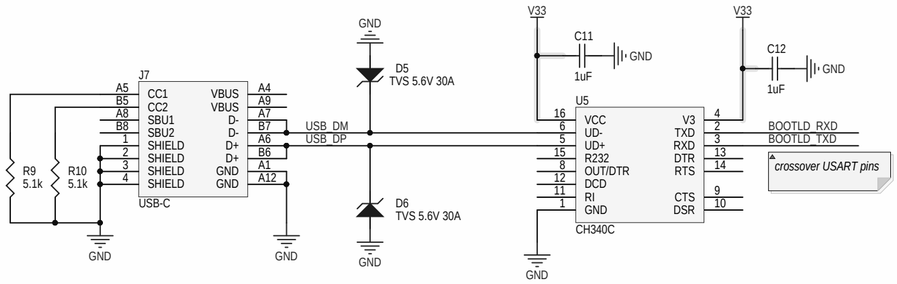


SHEET PORTS AND HARNESSES

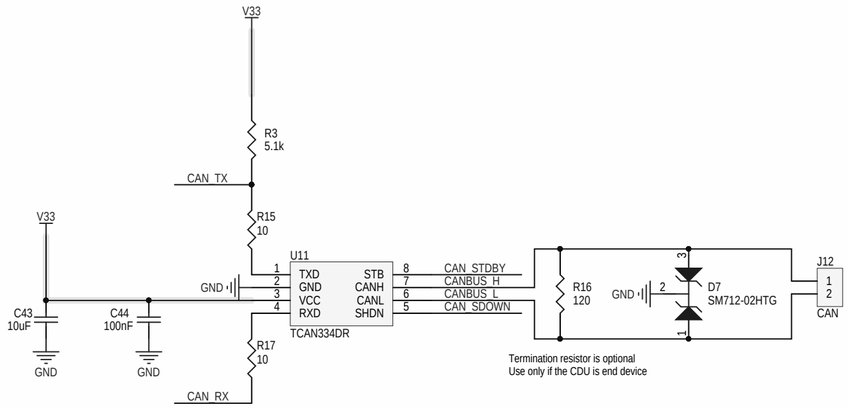


CDU - Logic			
Size: C	Number: 2.	Version: 1.1	Sheet 2 of 5
File: CDU_Logic.SchDoc			
Date: 15-07-2024		Author: GPD	

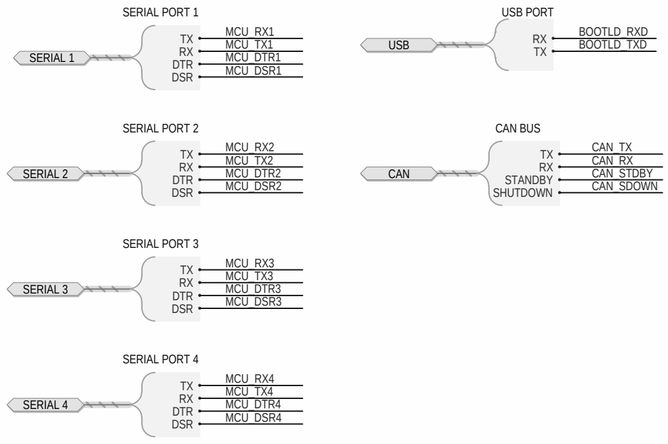
USB-SERIAL TRANSCEIVER



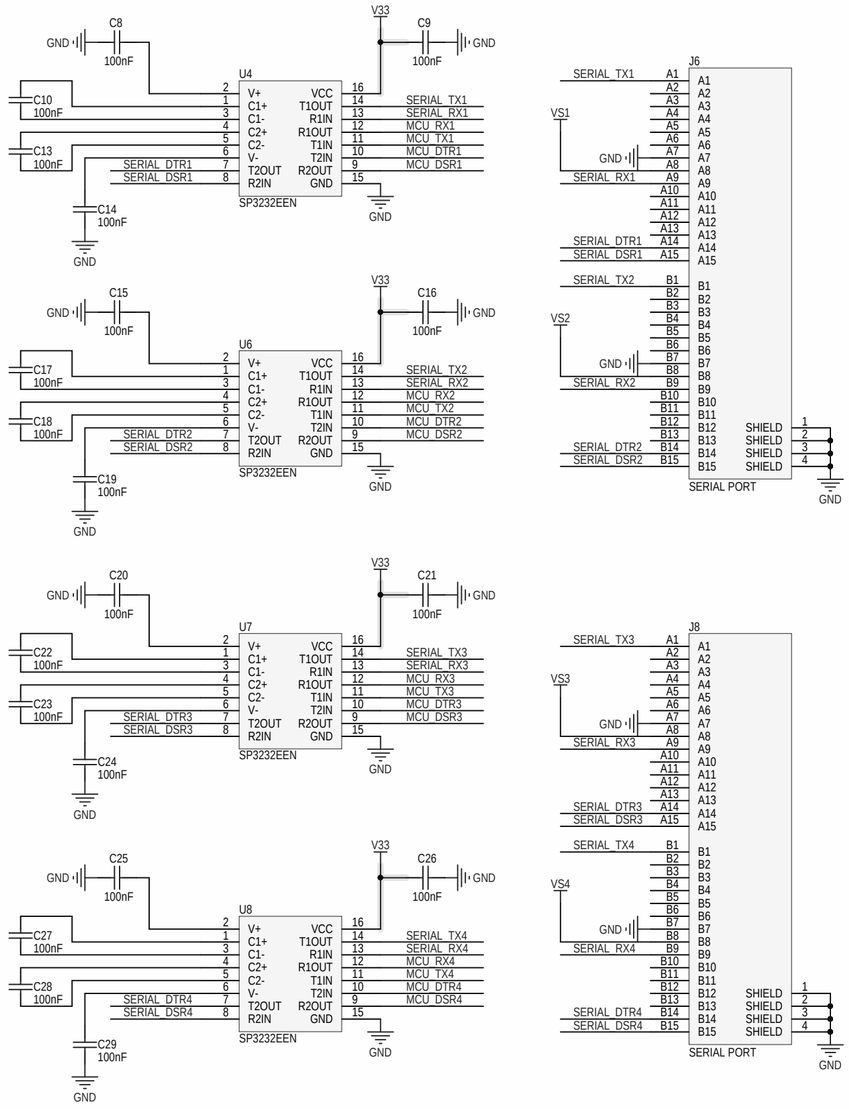
CAN TRANSCEIVER



SHEET PORTS AND HARNESSES



SERIAL PORTS



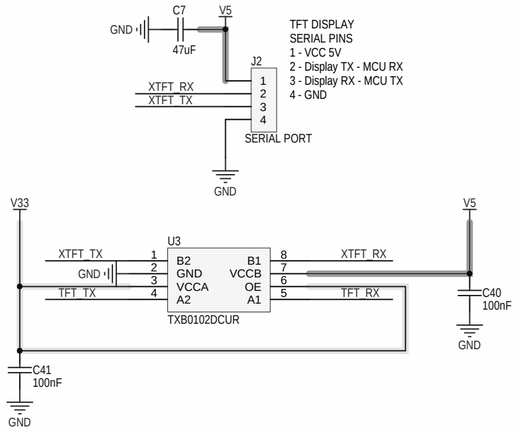
2KR XCEIVER
SERIAL PINS
1 - RS-232 In
9 - RS-232 Out

POWER PINS:
8 - DC Power IN
7 - GND

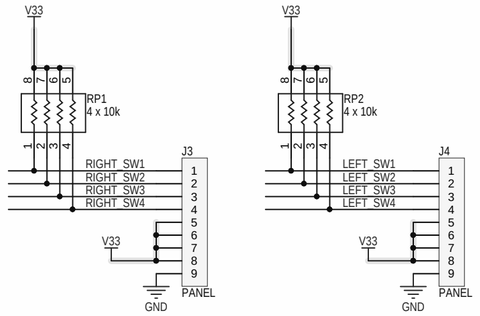
14, 15 - Not connected

CDU - I/O Serial Ports			
Size: C	Number: 3.	Version: 1.1	Sheet 3 of 5
File: CDU_Serial_Comms.SchDoc			
Date: 15-07-2024		Author: GPD	

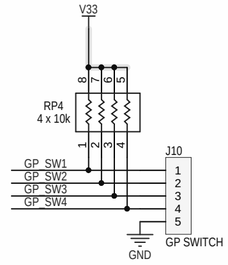
TFT DISPLAY PORT



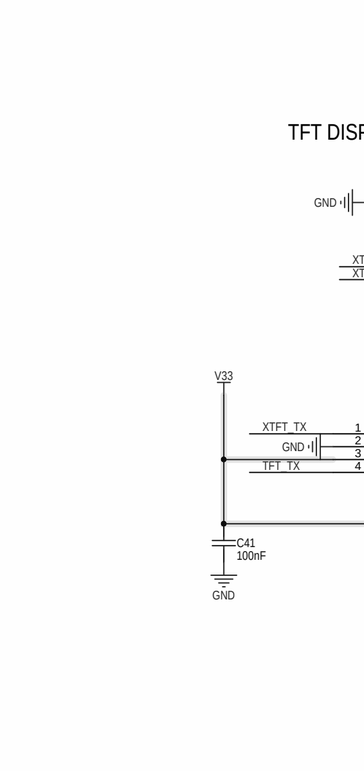
PANEL INTERFACES



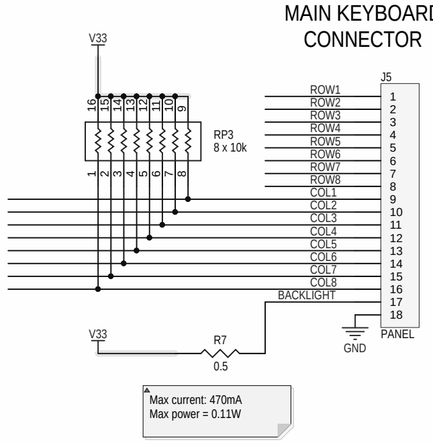
GENERAL PURPOSE SWITCHES



SHEET PORTS AND HARNESSES



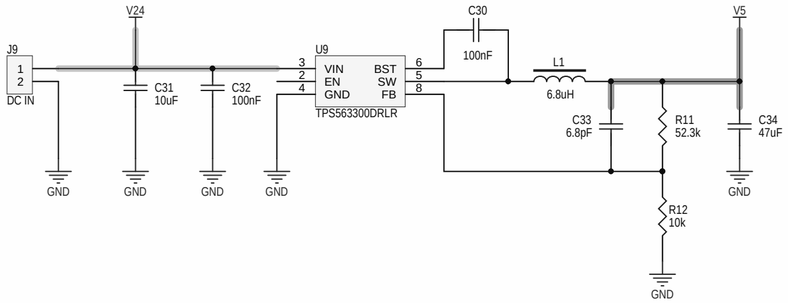
MAIN KEYBOARD CONNECTOR



CDU - Peripherals			
Size: C	Number: 4.	Version:1.1	Sheet 4 of 5
File: CDU_Peripherals.SchDoc			
Date: 15-07-2024		Author: GPD	

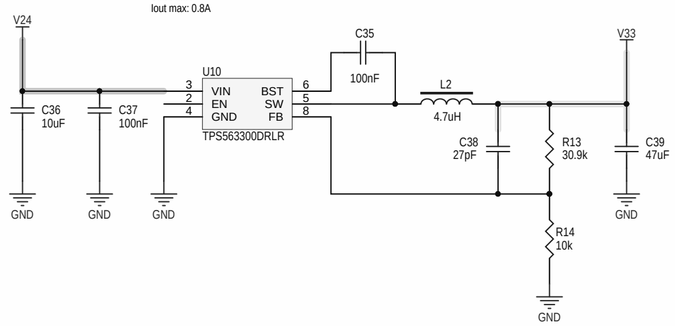
5V SUPPLY

Vin: 6V - 28V
Vout: 5.0V
Iout max: 0.8A

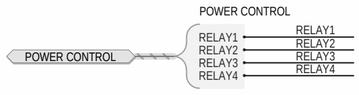


3.3V SUPPLY

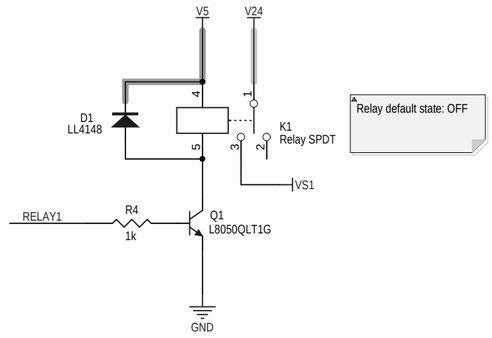
Vin: 6V - 28V
Vout: 3.3V
Iout max: 0.8A

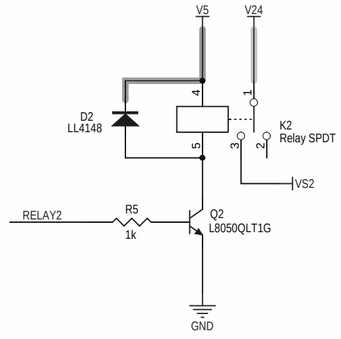


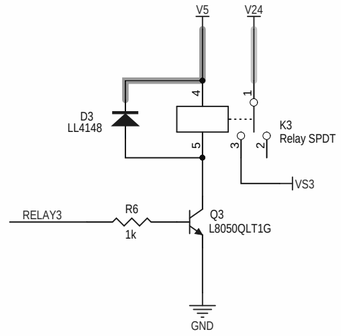
SHEET PORTS AND HARNESSES

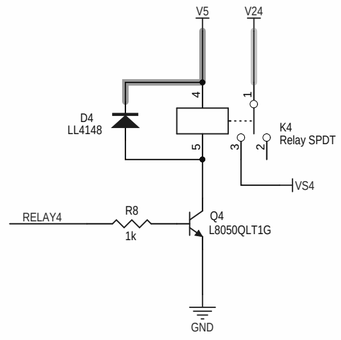


POWER PATH CONTROL









CDU - Power Supply			
Size: C	Number: 5.	Version: 1.1	Sheet 5 of 5
File: CDU_Supply.SchDoc			
Date: 15-07-2024		Author: GPD	