

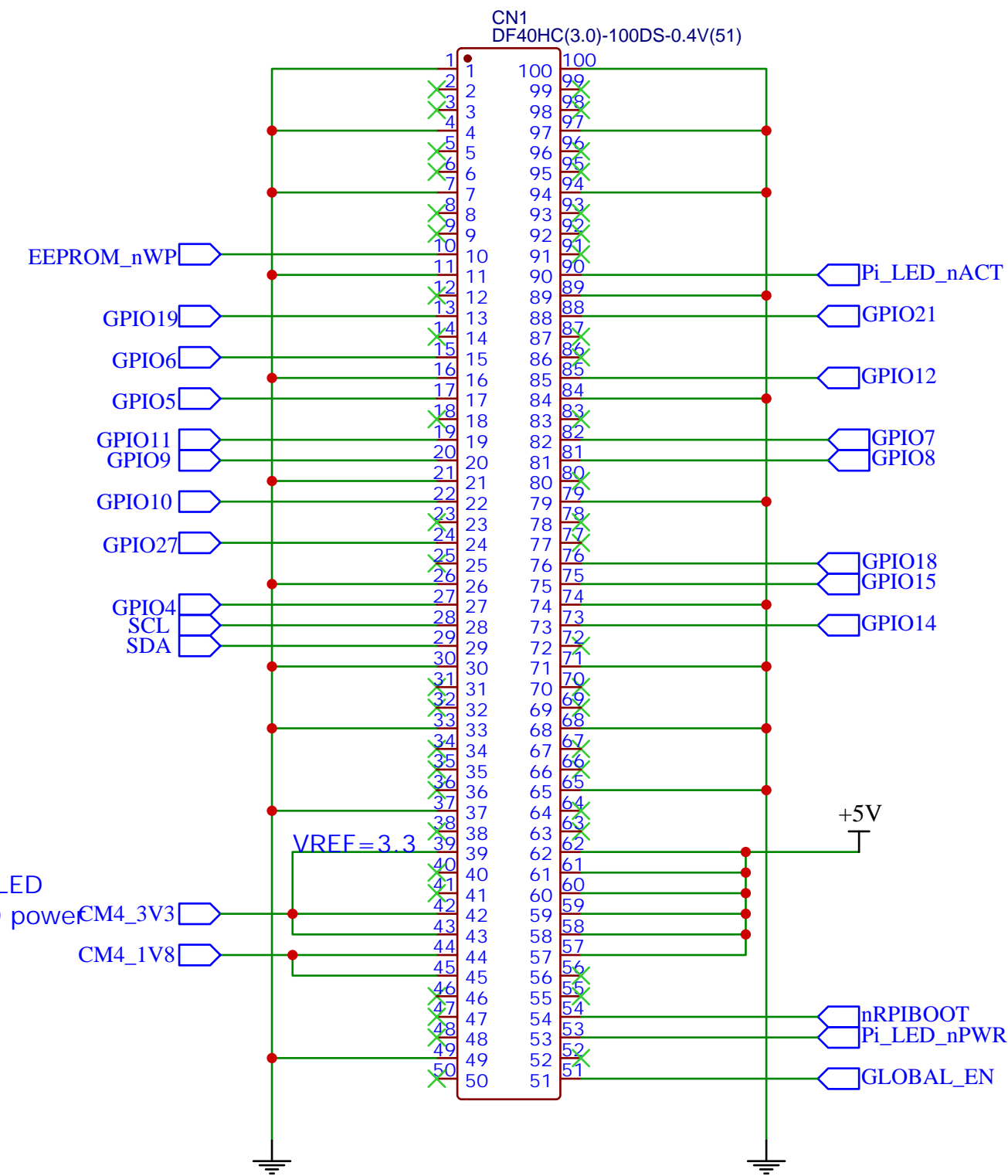
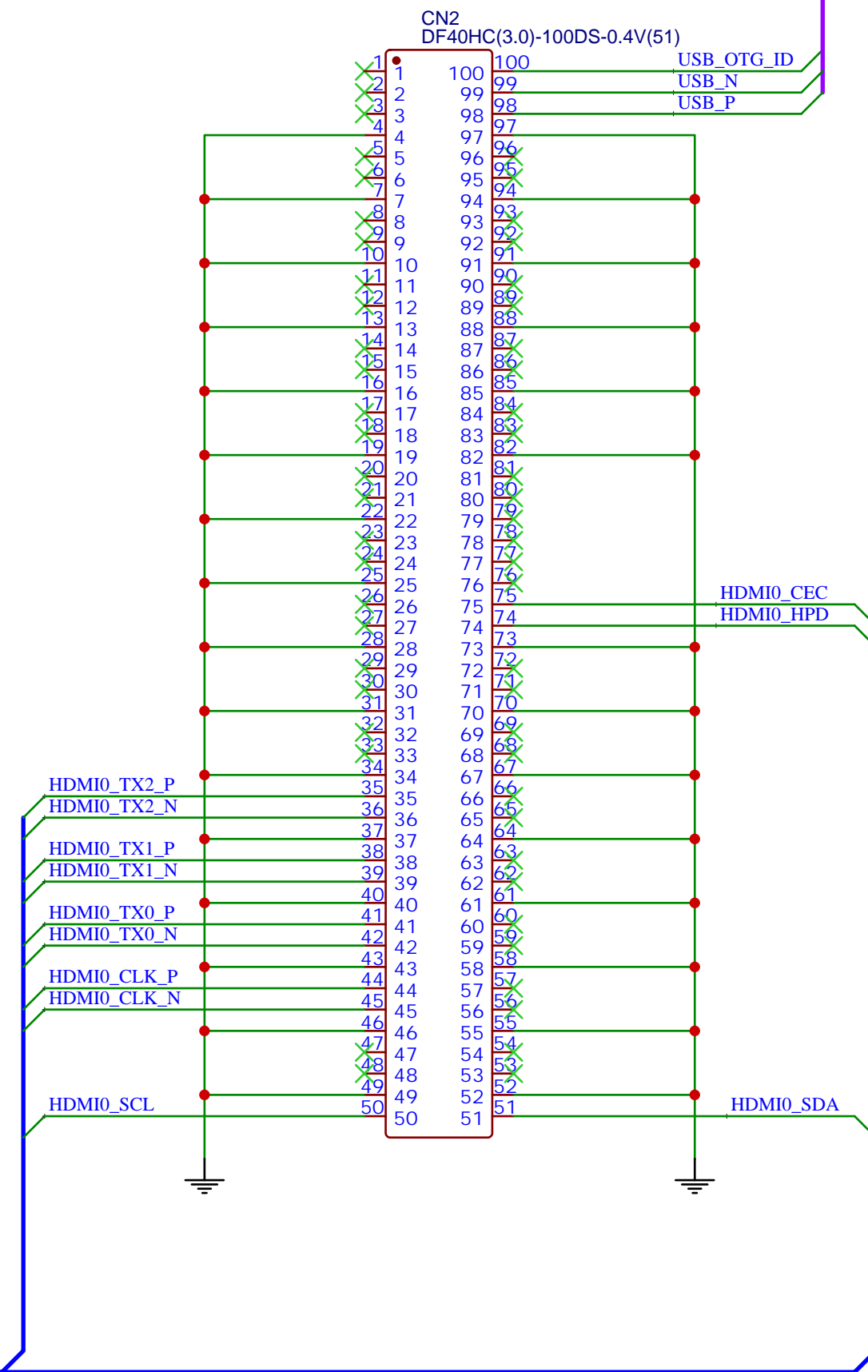
LED Indicators

The diagram illustrates a circuit for two LED indicators. The components and connections are as follows:

- Inputs:** Two blue boxes represent the input signals `Pi_LED_nPWR` and `Pi_LED_nACT`.
- Resistors:** Two resistors, `R21` and `R22`, both with a value of `330` ohms, are connected in series with the LEDs.
- LEDs:**
 - A yellow LED, labeled `0805Y (Yellow) POWER`, is connected with its anode to `Pi_LED_nPWR` (via `R21`) and its cathode to the `CM4_3V3` line.
 - A green LED, labeled `0805G (Green) ACTIVE`, is connected with its anode to `Pi_LED_nACT` (via `R22`) and its cathode to the `CM4_3V3` line.
- Power:** The `CM4_3V3` line is connected to a common ground symbol.

I2C External Devices

Power Distribution



GPIO

The diagrams illustrate the following connections:

- Diagram 1:** ZYMKEY4 210S-2*5P L=11.6MM. Pin 1 is connected to CM4_3V3. Pin 2 is connected to +5V. Pin 3 is SDA. Pin 4 is connected to +5V. Pin 5 is SCL. Pin 6 is connected to +5V. Pin 7 is GPIO4. Pin 8 is connected to GPIO14. Pin 9 is connected to ground. Pin 10 is connected to GPIO15.
- Diagram 2:** SETTING PZ254V-12-8P. Pin 1 is GLOBAL_EN. Pin 2 is connected to +5V. Pin 3 is nRPIBOOT. Pin 4 is connected to +5V. Pin 5 is EEPROM_nWE. Pin 6 is connected to +5V. Pin 7 is USB_OTG_ID. Pin 8 is connected to +5V.
- Diagram 3:** GPIO PZ254V-12-8P. Pin 1 is connected to +5V. Pin 2 is connected to +5V. Pin 3 is connected to +5V. Pin 4 is connected to +5V. Pin 5 is connected to +5V. Pin 6 is connected to +5V. Pin 7 is connected to +5V. Pin 8 is connected to +5V.

PWR
WJ500V-5.08-2P-14-00A

PVCC

D8
SS54

U8
LM2596S-5.0/TR

C13
220uF

C14
100nF

D7
SS54

L5
33uH

GND

L6
33uH

+5V

C32
220uF

C33
100nF

C34
220uF

C35
100nF

U9
LM2596S-5.0/TR

D11
SS54

C56
220uF

C55
100nF

D5
SS54

L1
33uH

GND

L2
33uH

+5V_UP

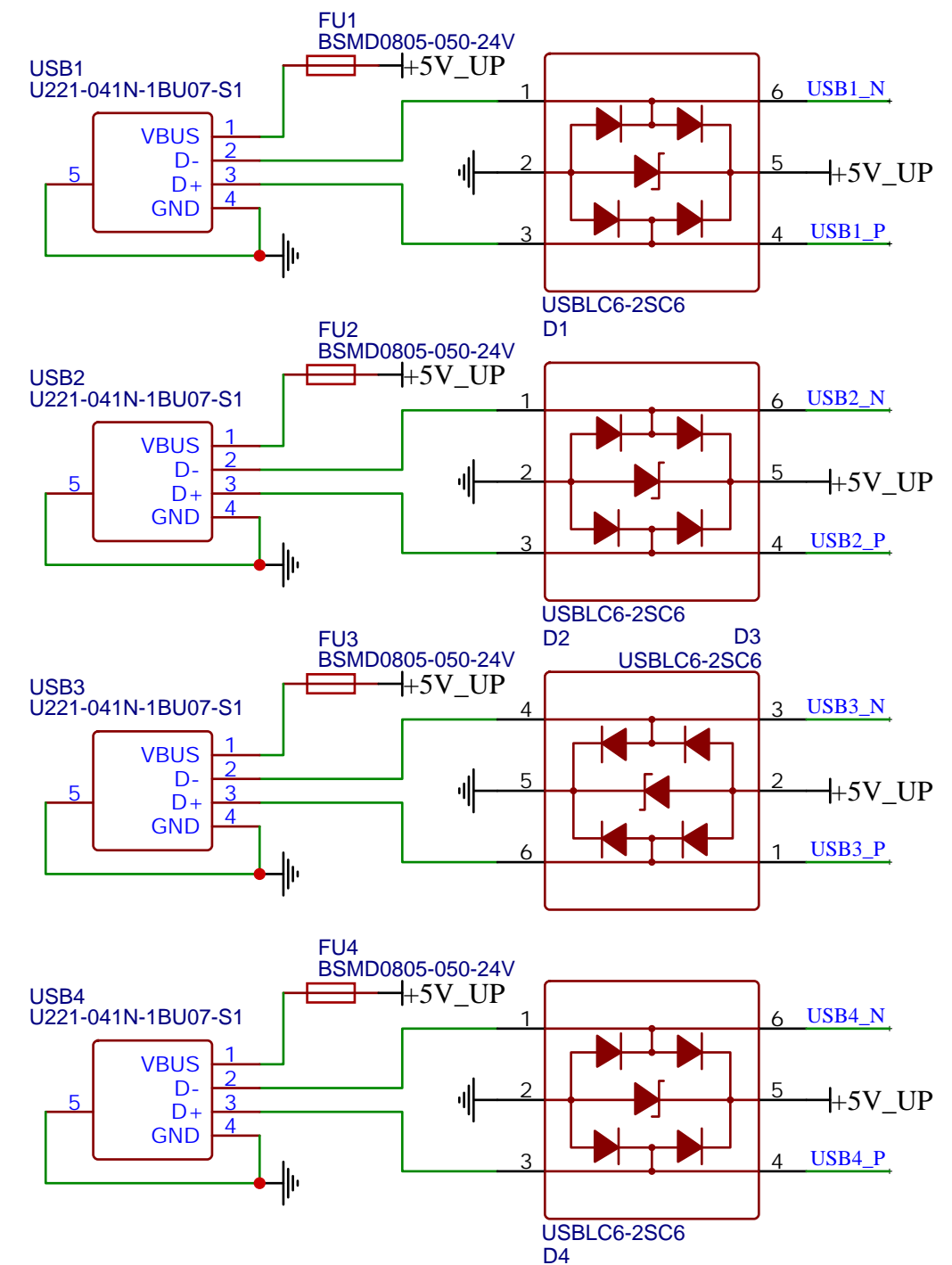
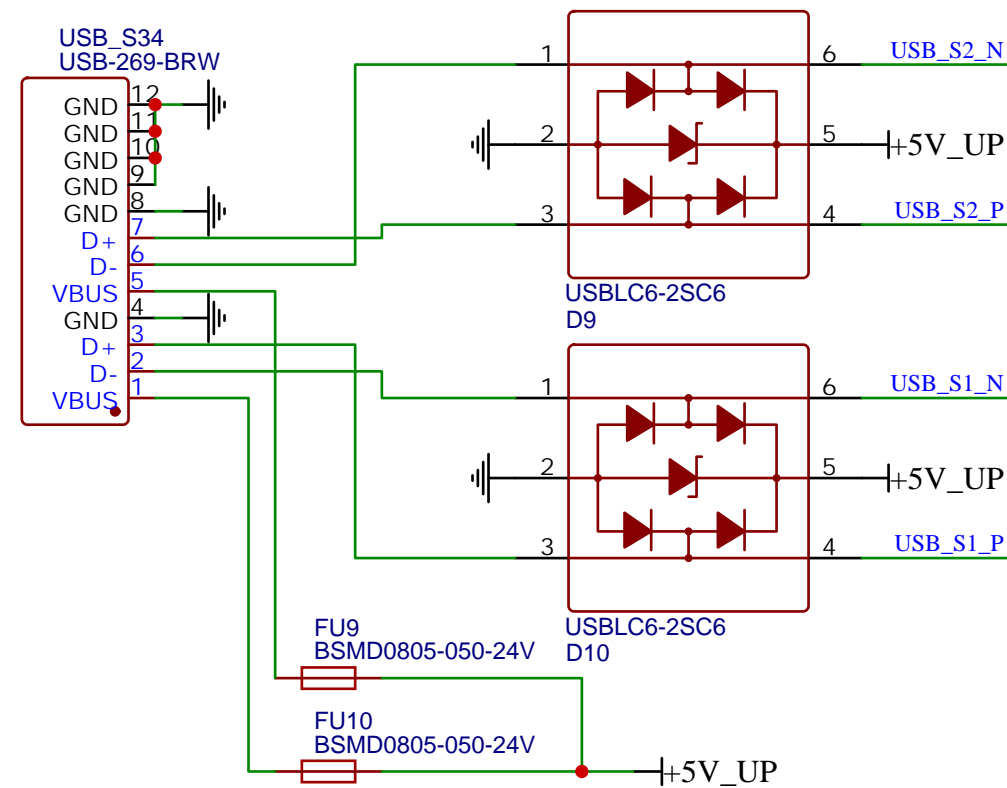
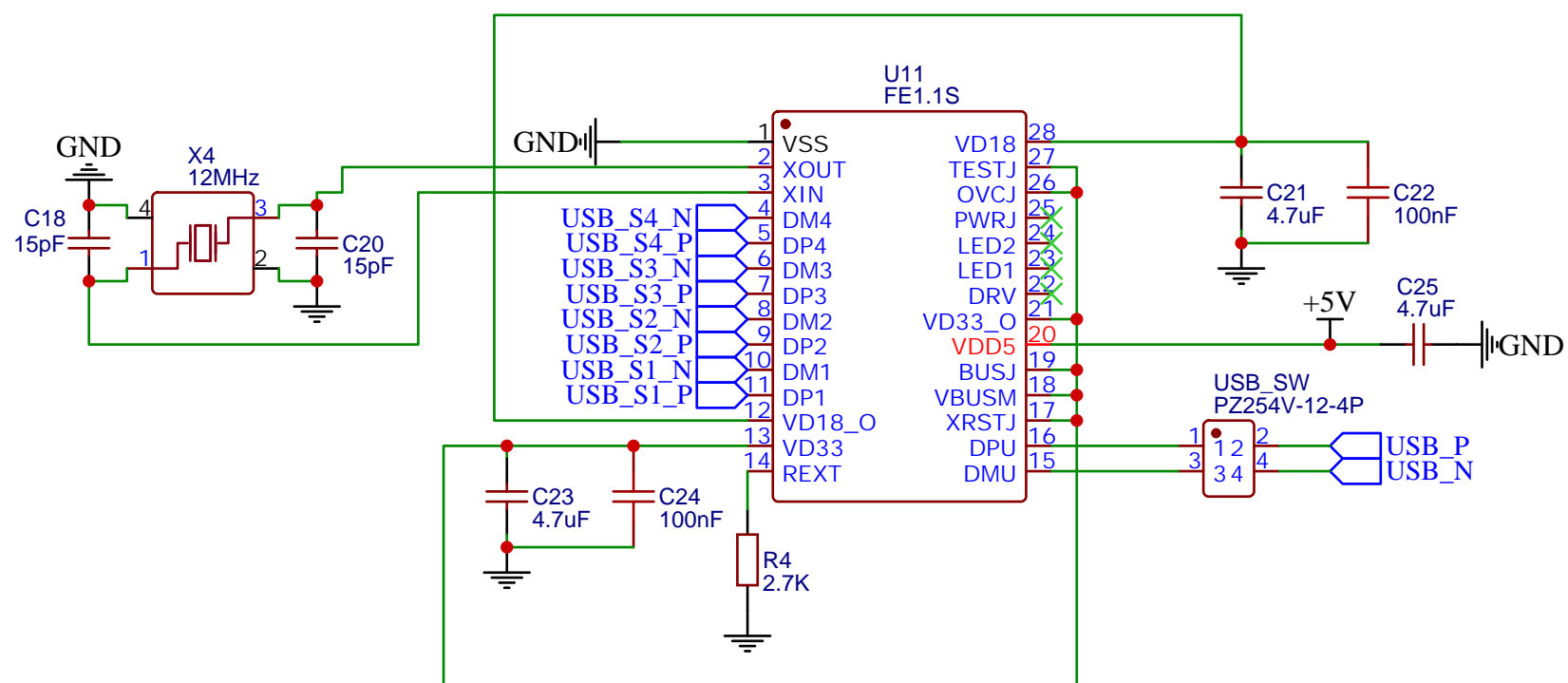
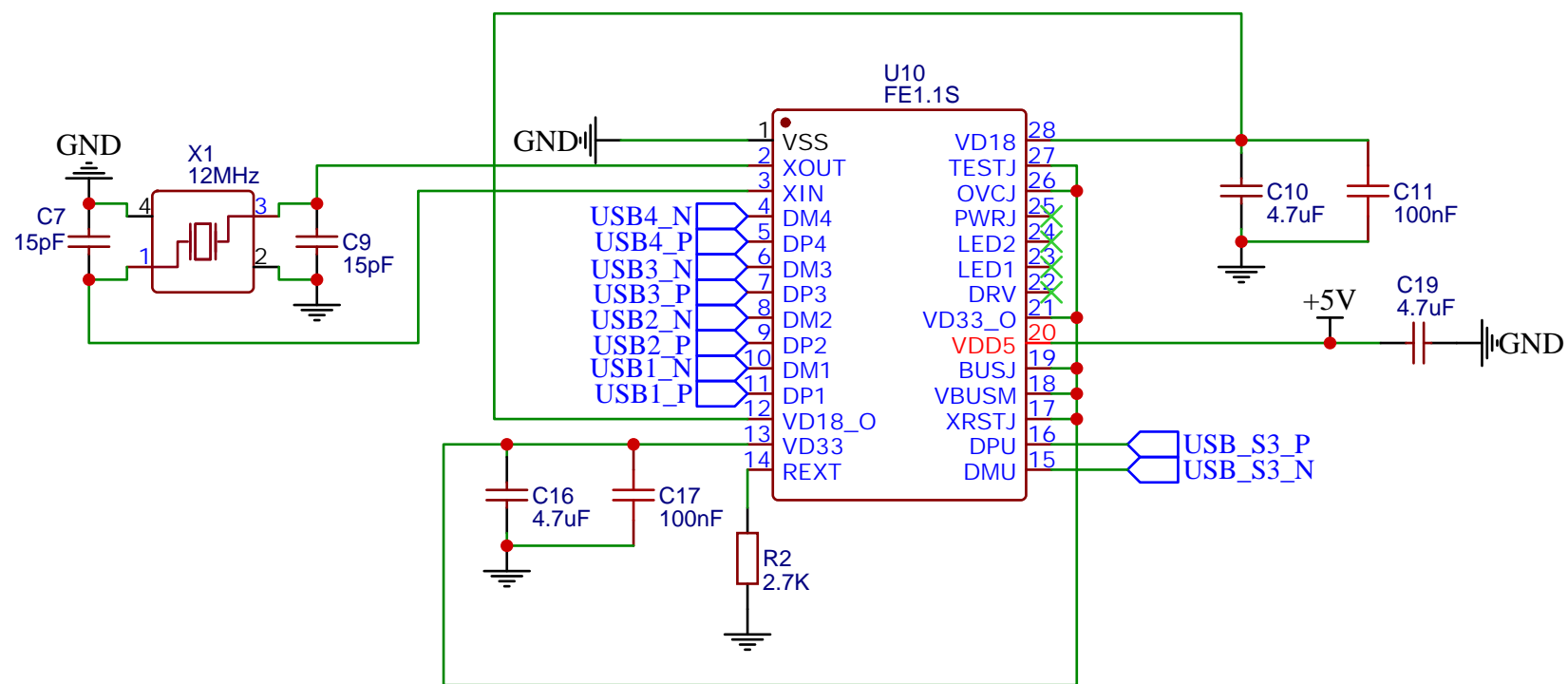
C59
220uF

C57
100nF

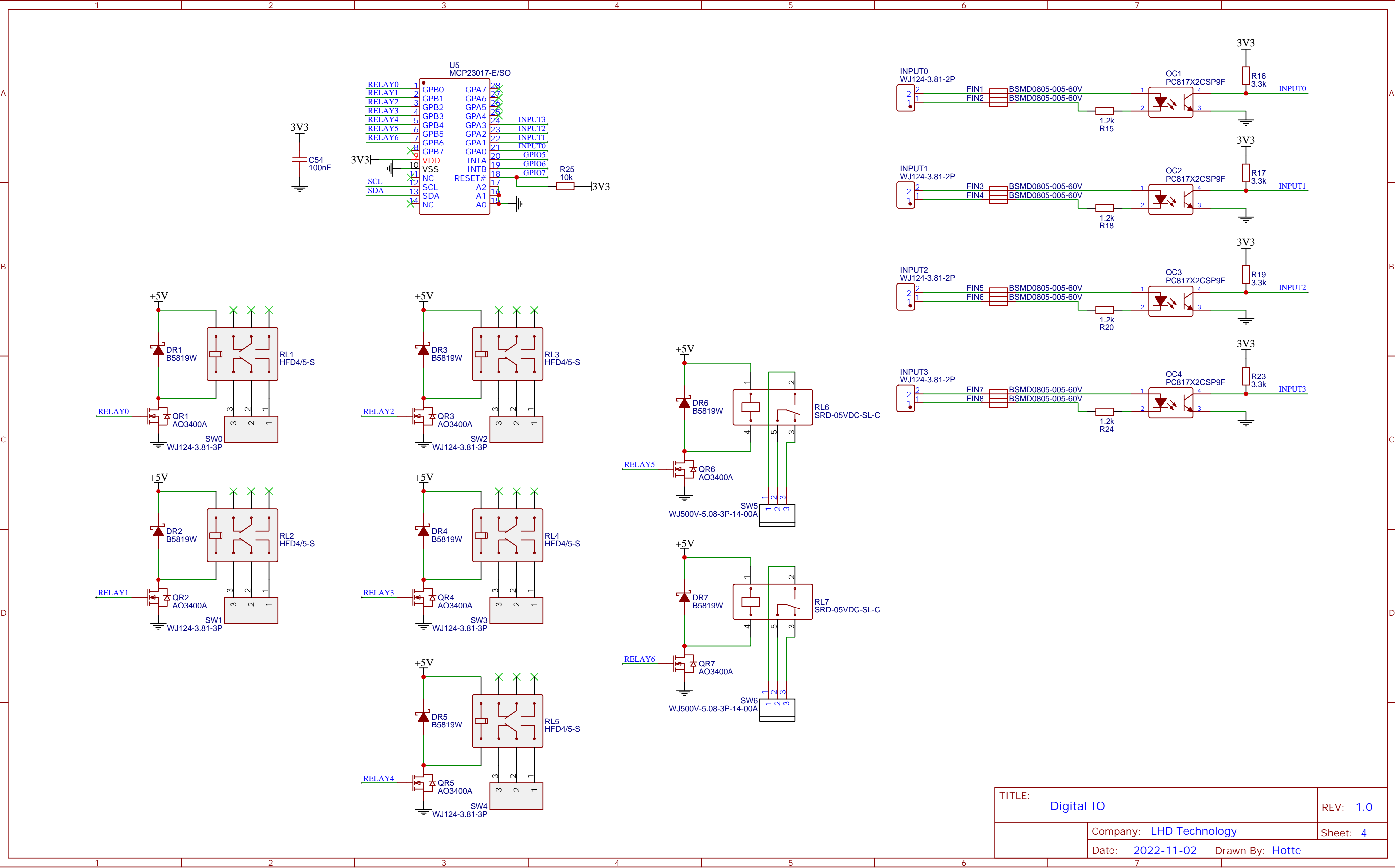
C60
220uF

C58
100nF

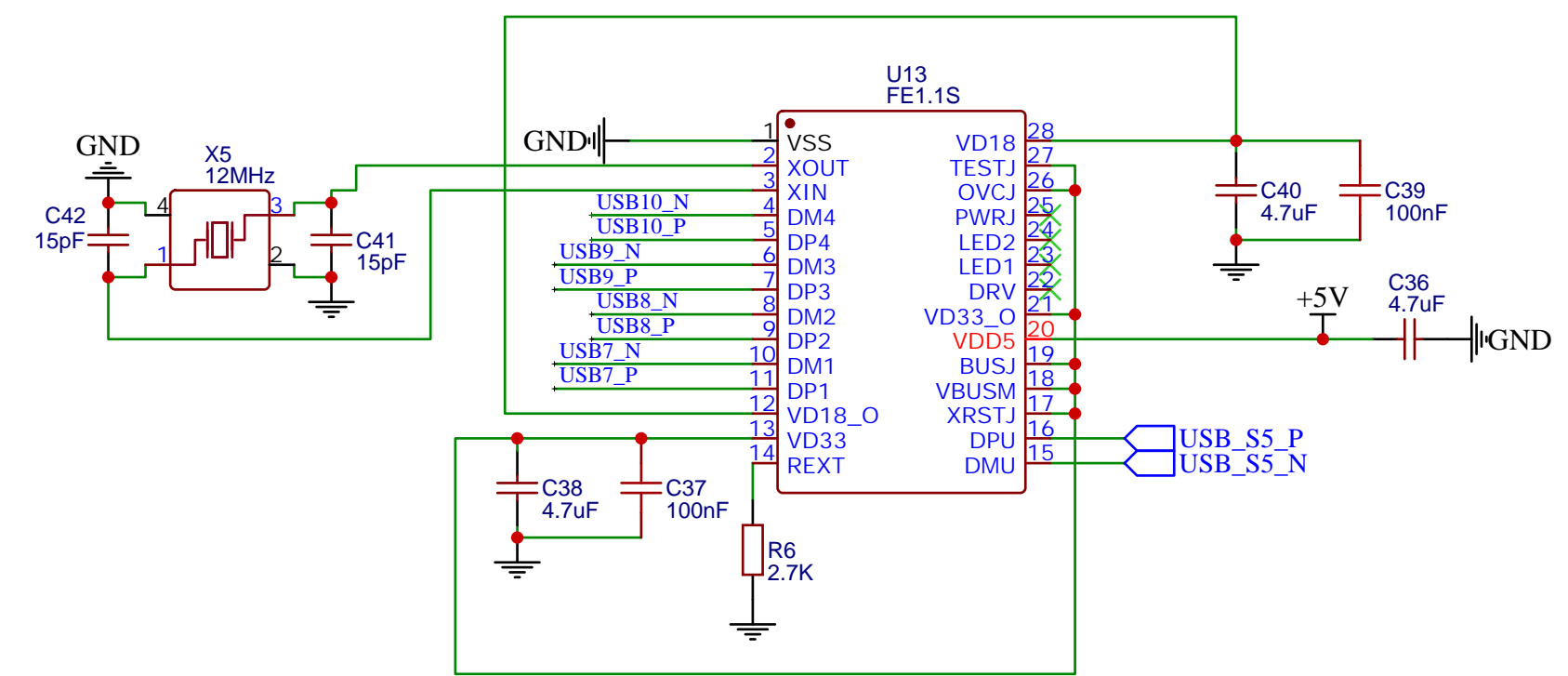
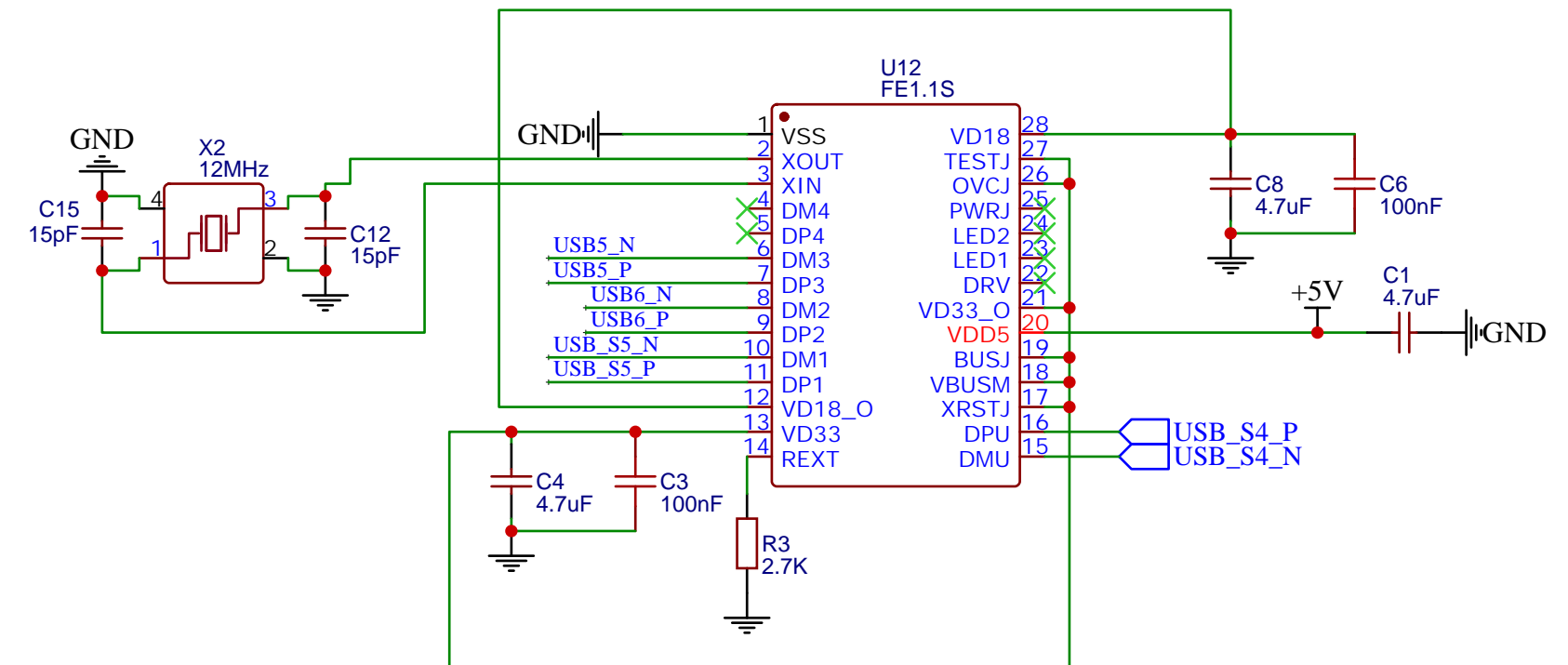
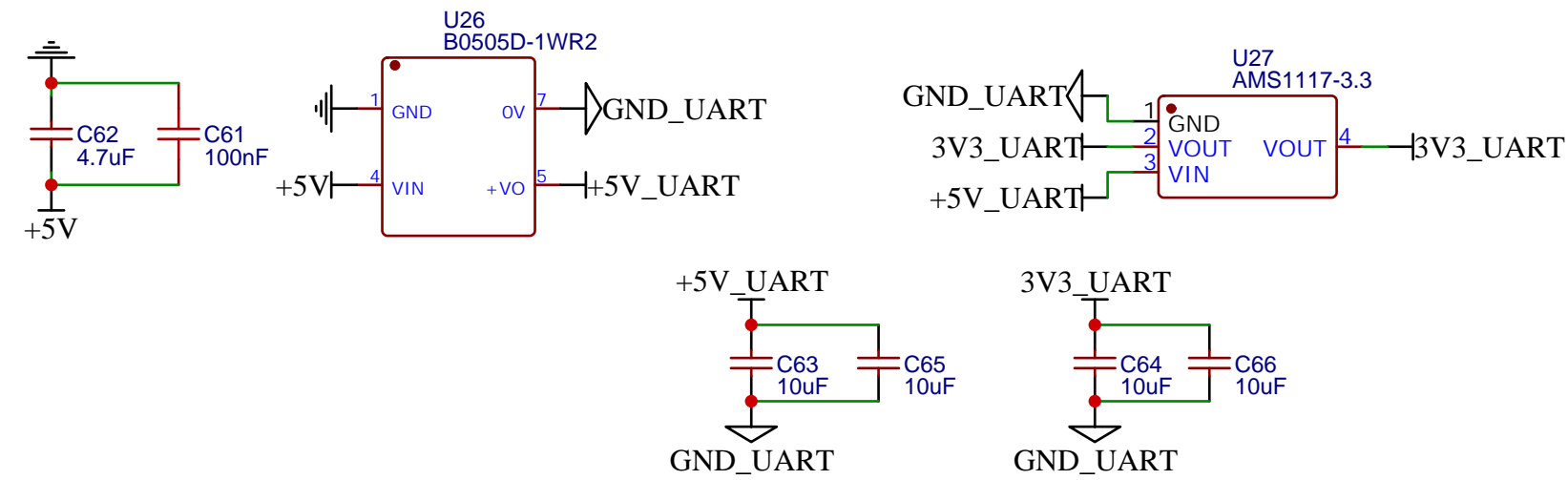
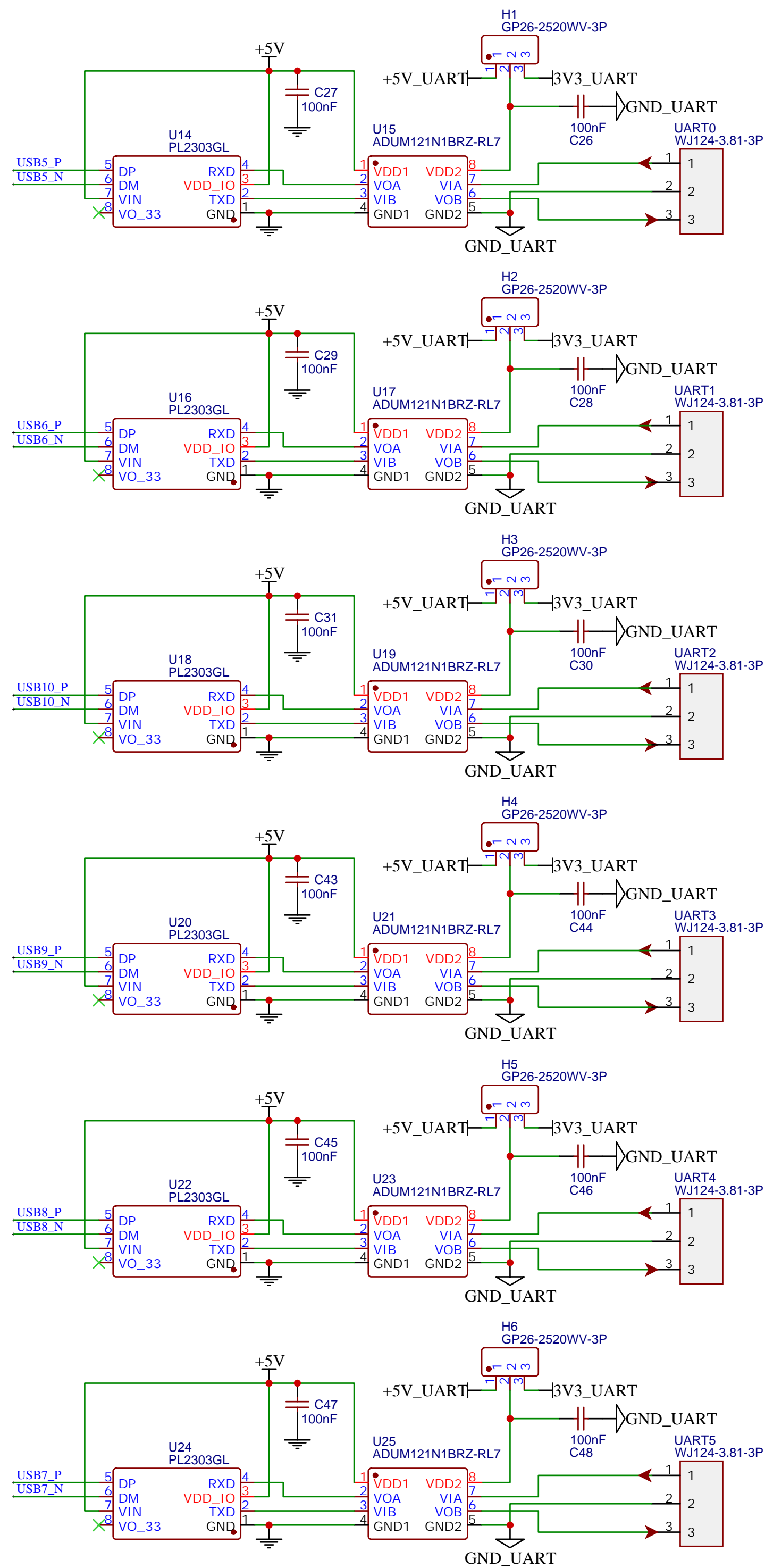
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	Date: 2022-11-01 Drawn By: Hotte	

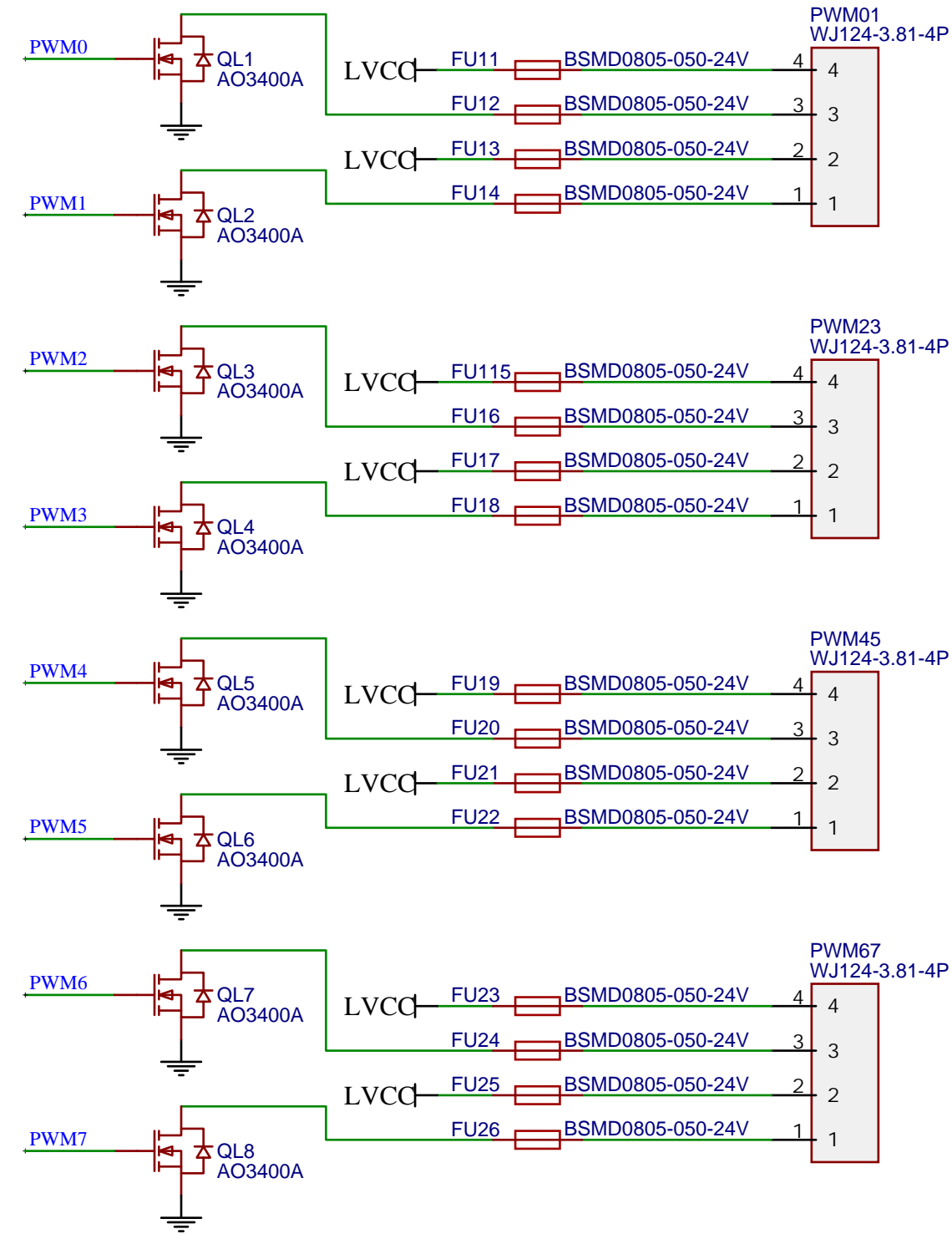
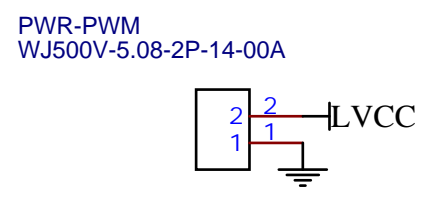
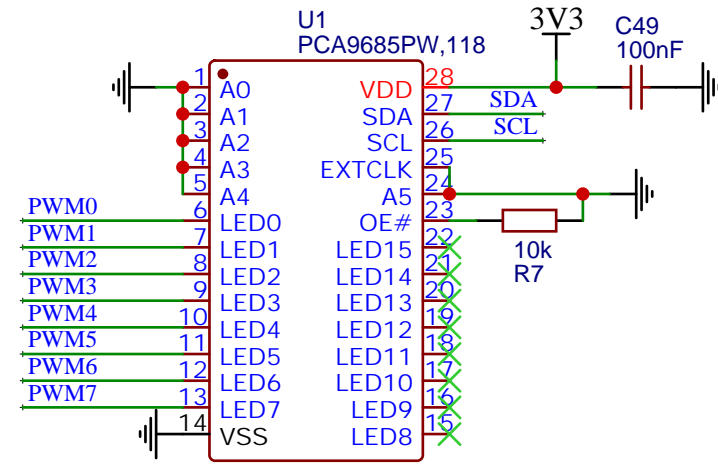


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TITLE: Digital IO		REV: 1.0
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	Date: 2022-11-02	Drawn By: Hotte





TITLE: PWM		REV: 1.0
	Company: LHD Technology	Sheet: 6
	Date: 2022-11-02 Drawn By: Hotte	

