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Development Board

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Version Control

VersionDateModifications

0.12025/03

All information is subject to change without notice.
No warranty, expressed or applied, is made as to the accuracy of the information contained herein. This schematic is provided for reference purposes only.

Design EngineerMilan Pavlovic

TitleHS Devices Development Board

Size A

Document Number1

Rev A

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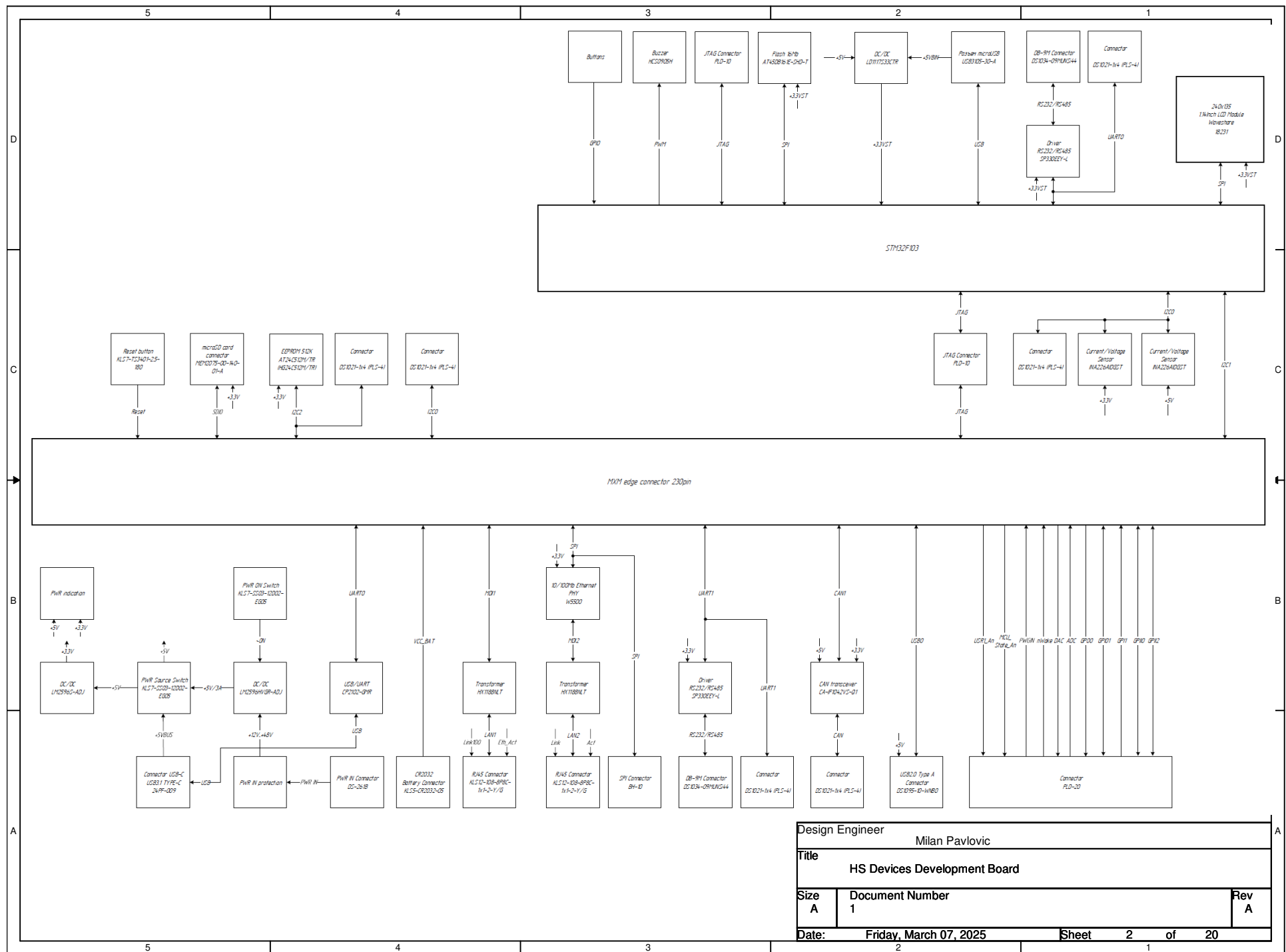
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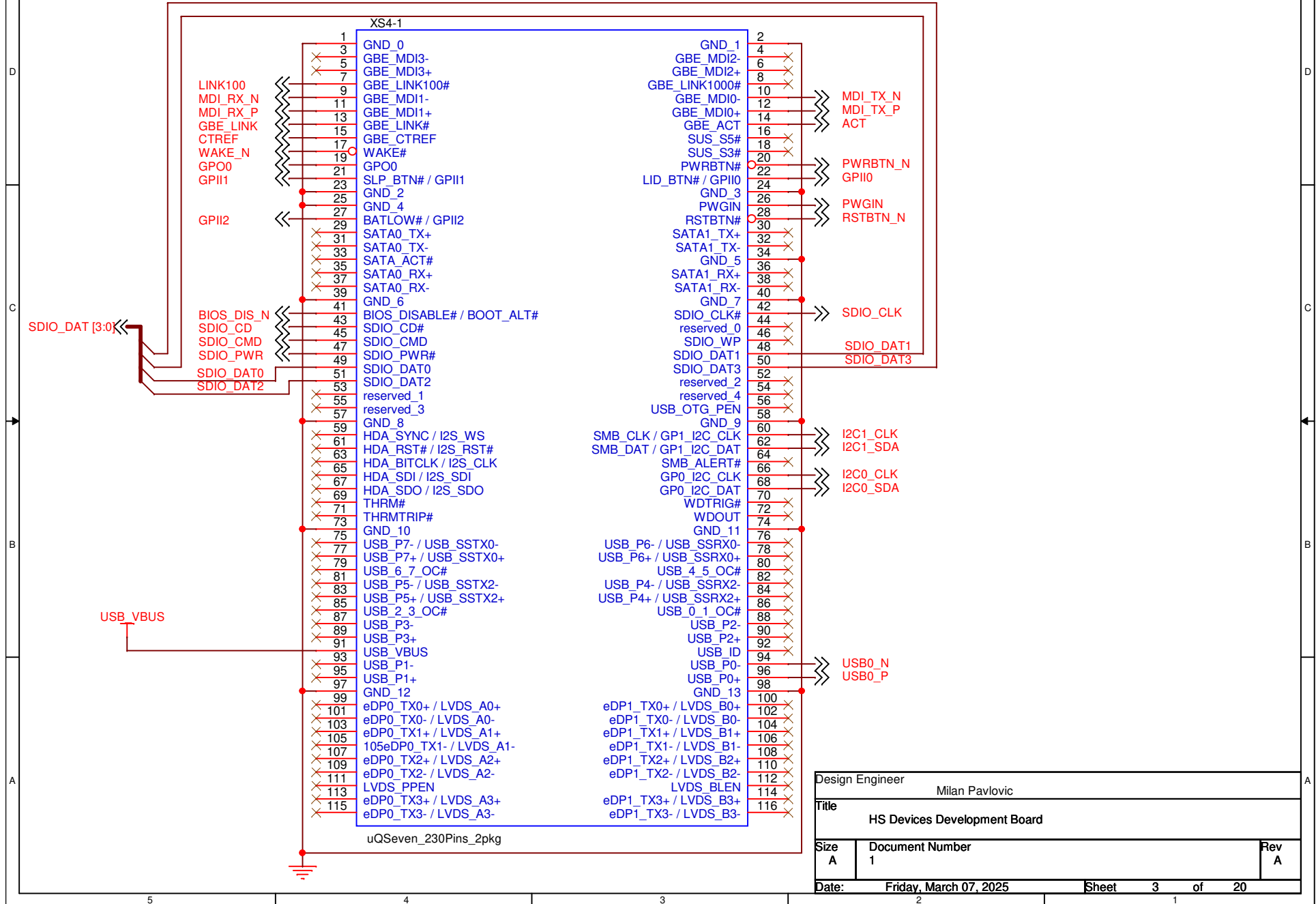
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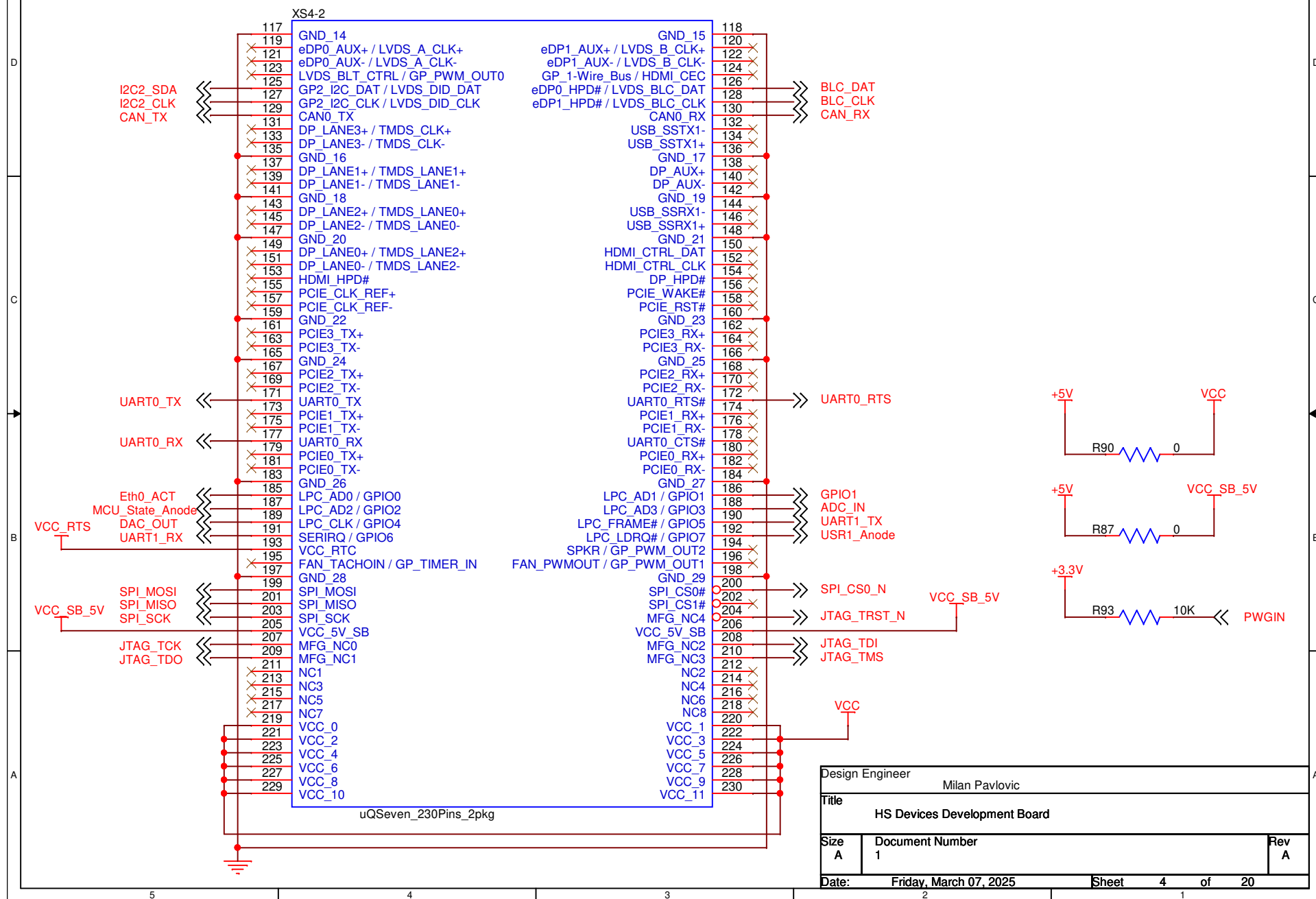


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MXM Connections 1

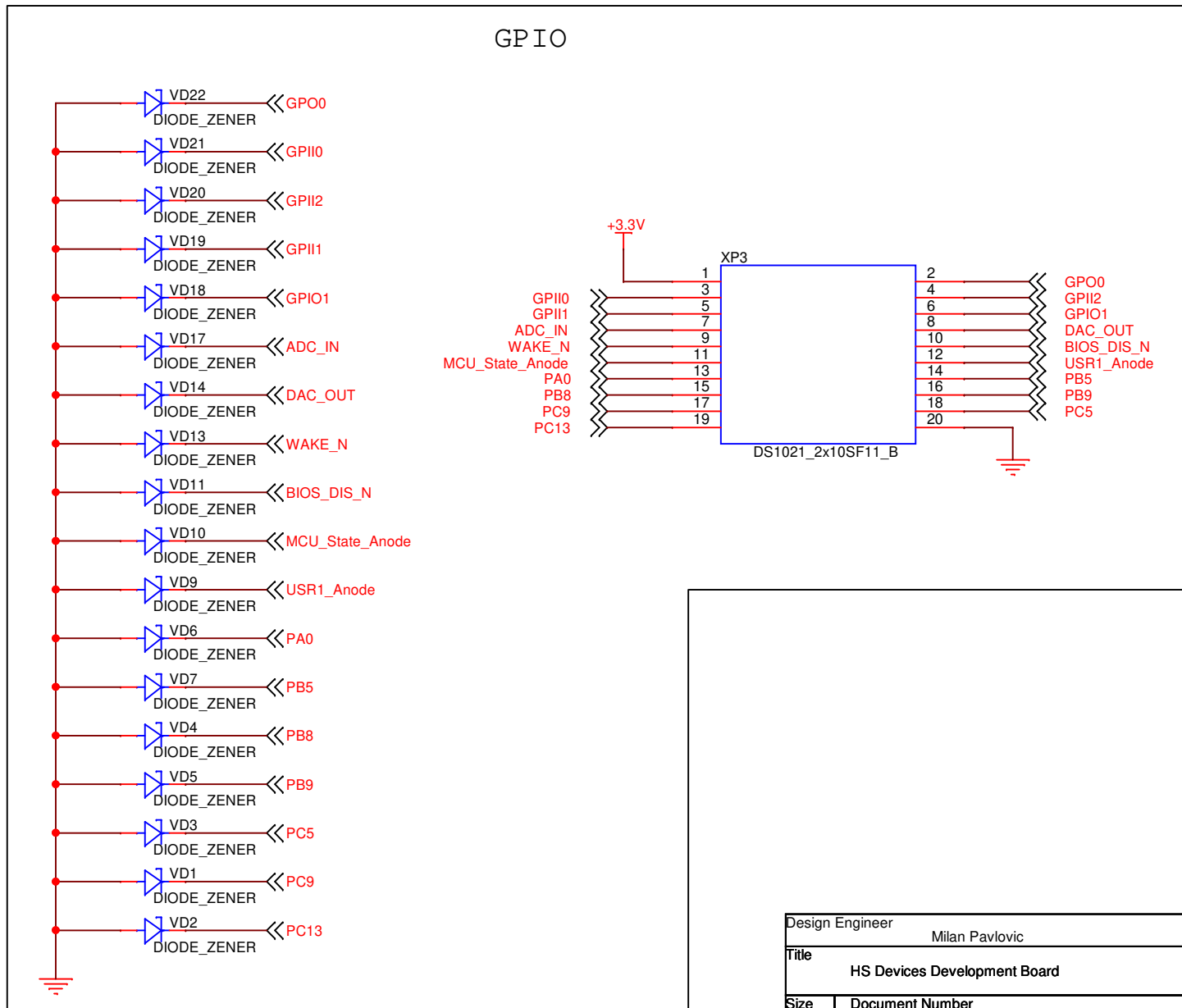


MXM Connections 2



Connectors 1

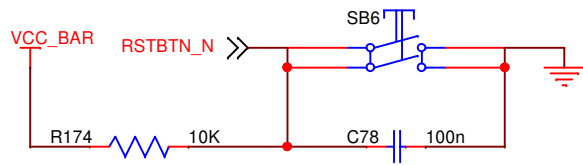
GPIO



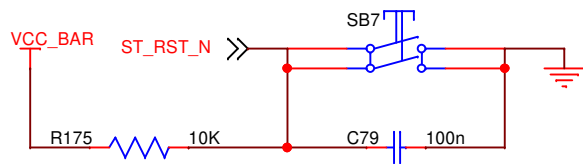
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Connectors 2

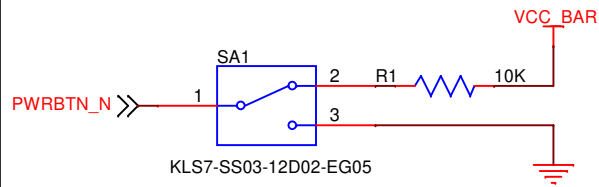
RESET BUTTON



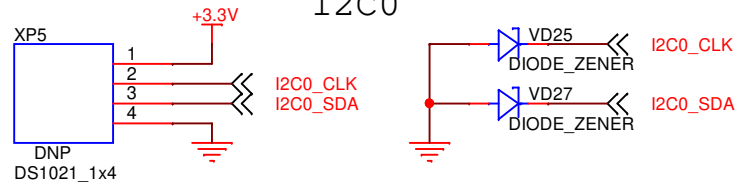
ST RESET



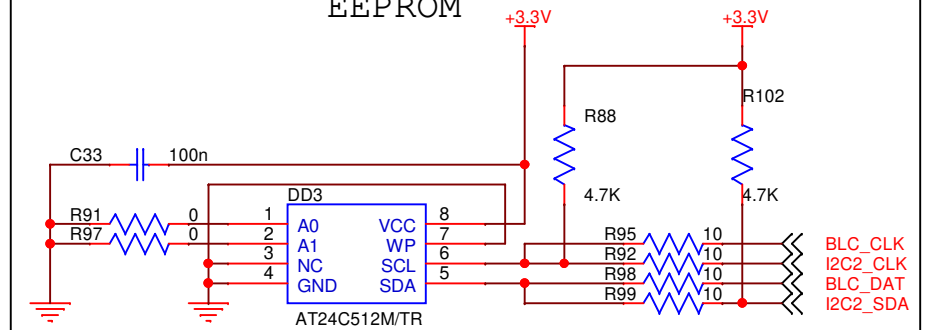
POWER BUTTON



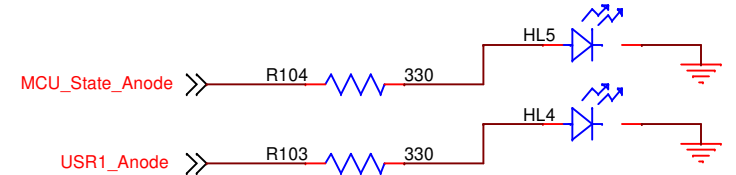
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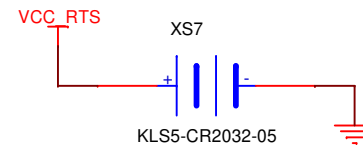
EEPROM



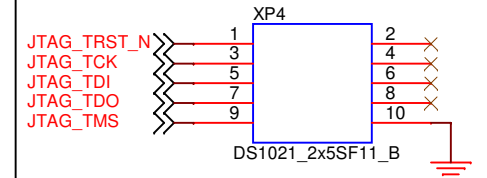
MCU LEDs



BATTERY HOLDER

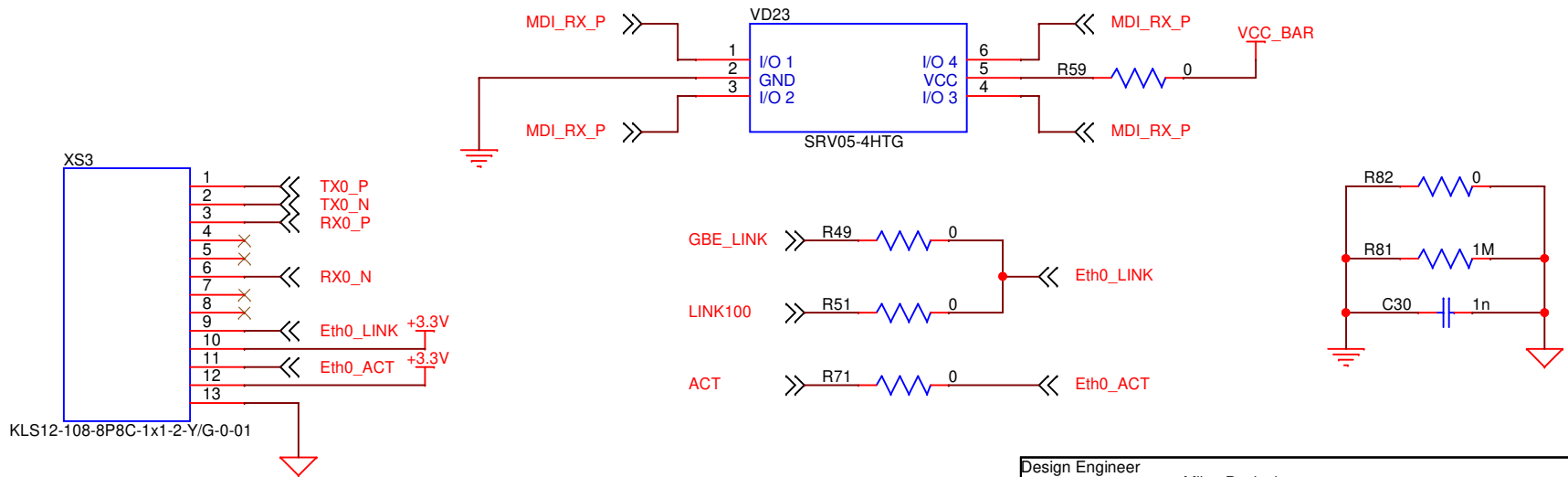
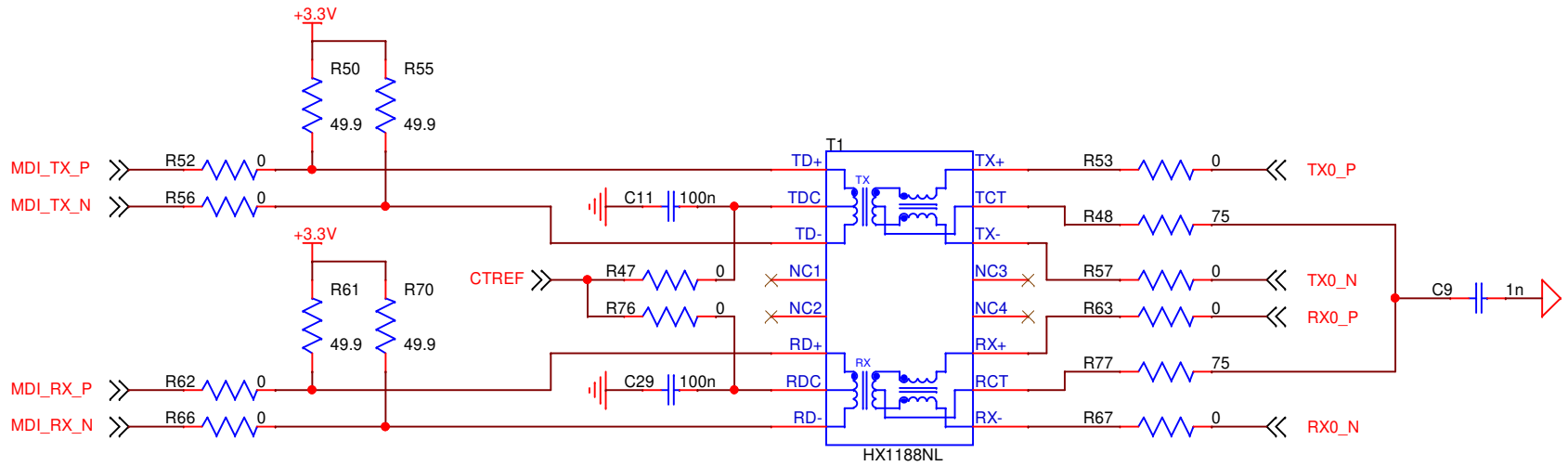


JTAG



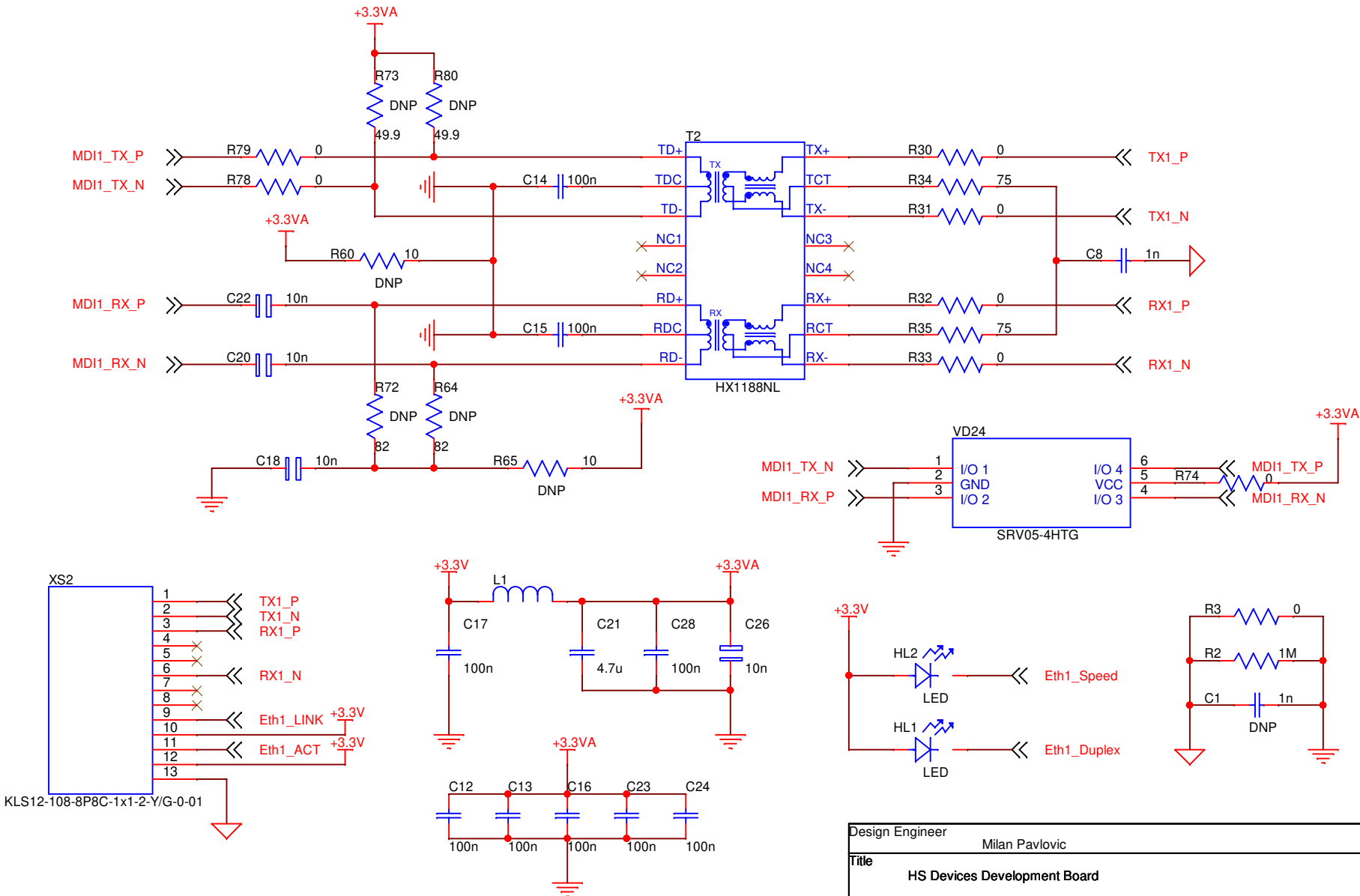
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Ethernet 1



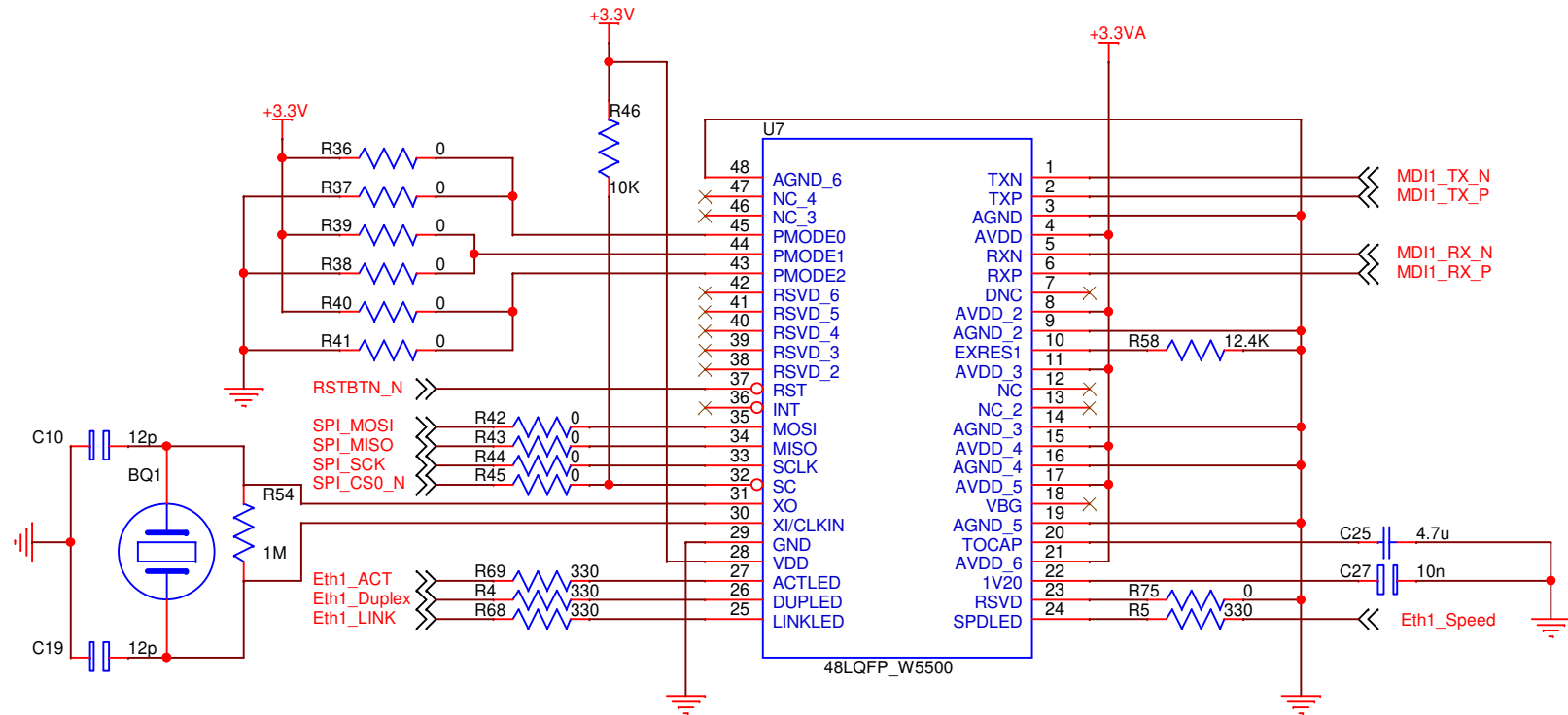
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Ethernet 2



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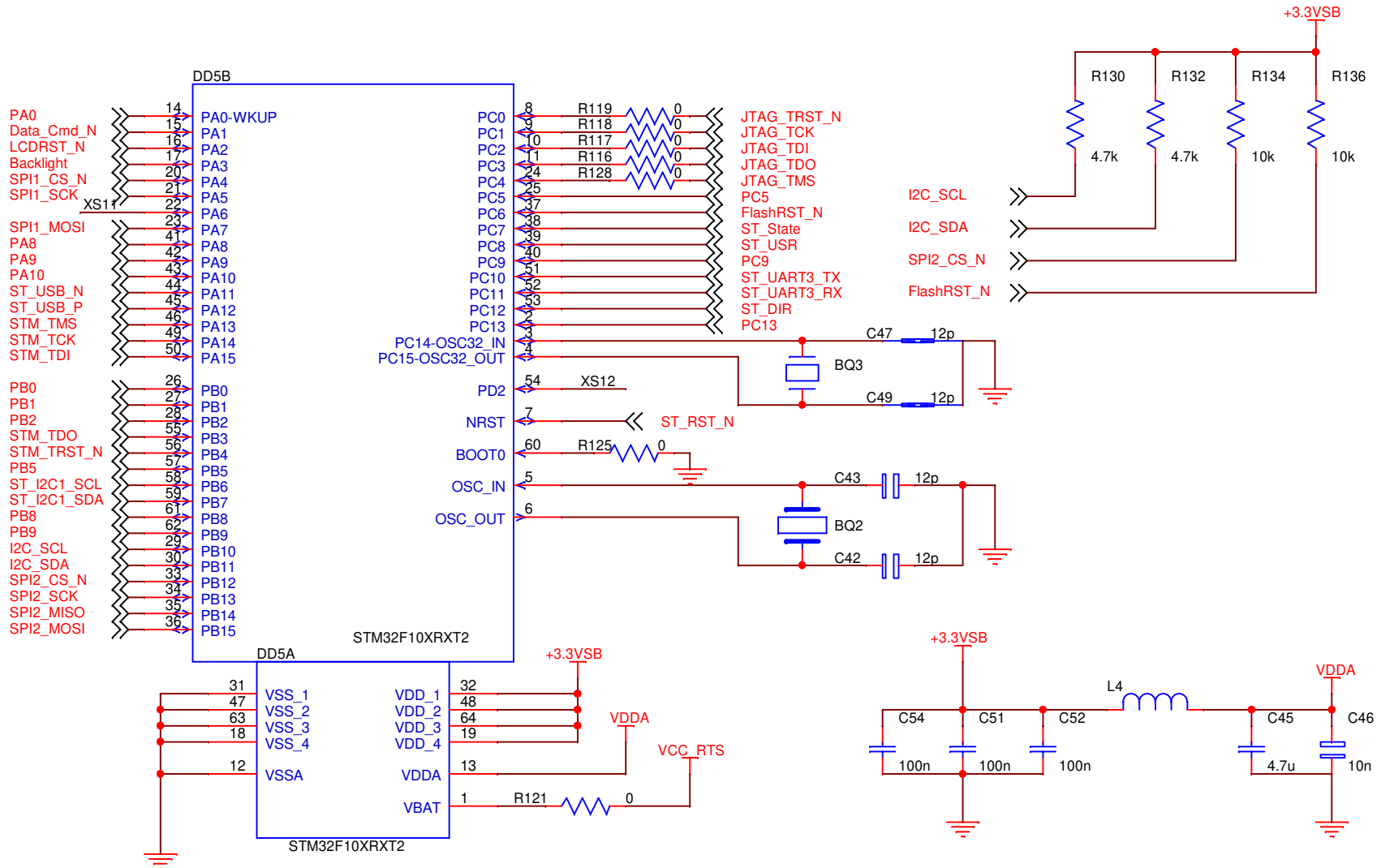
Ethernet 3



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STM32F103_1

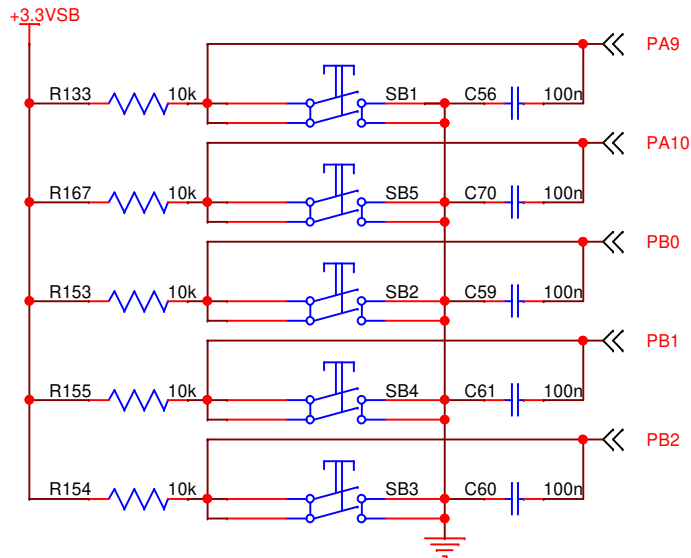
STM



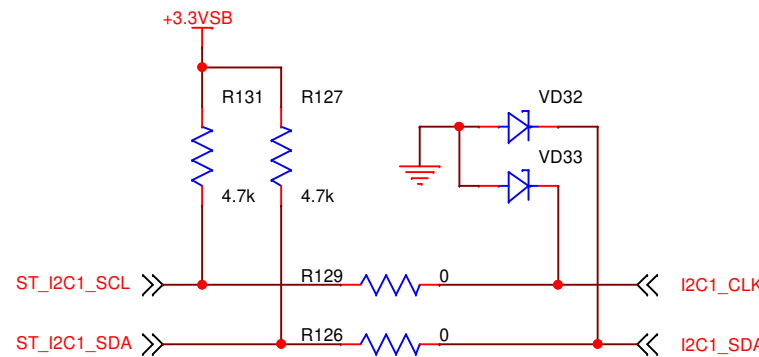
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STM32F103_2

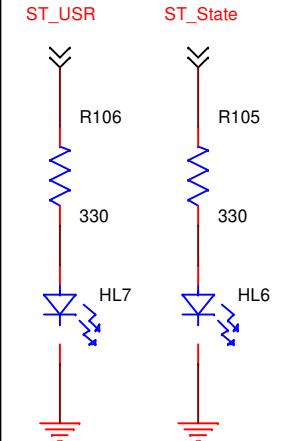
USR_Buttons



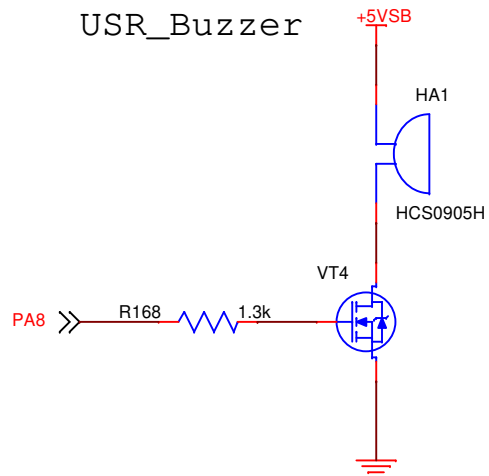
EXTERNAL_I2C



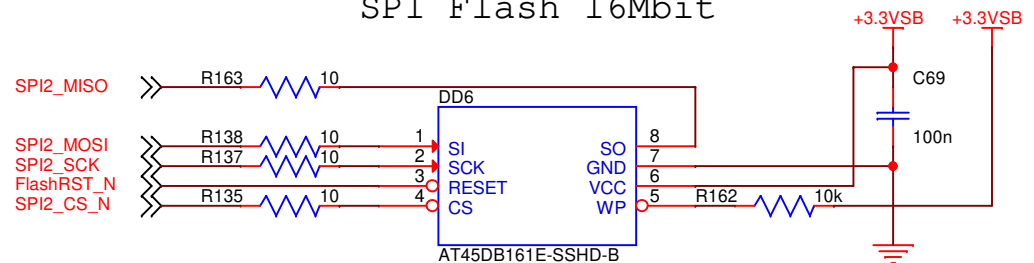
USR_LEDs



USR_Buzzer



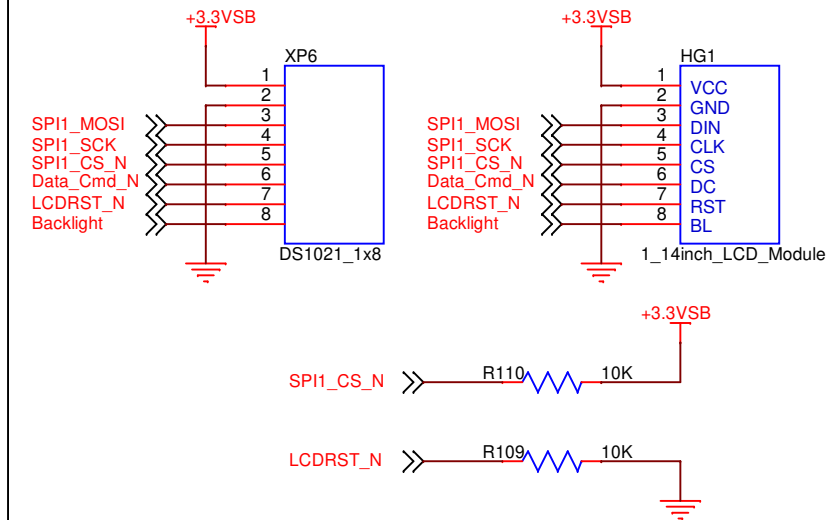
SPI Flash 16Mbit



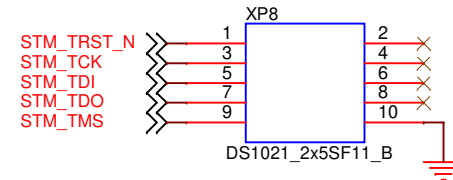
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STM32F103_3

SPI_LCD



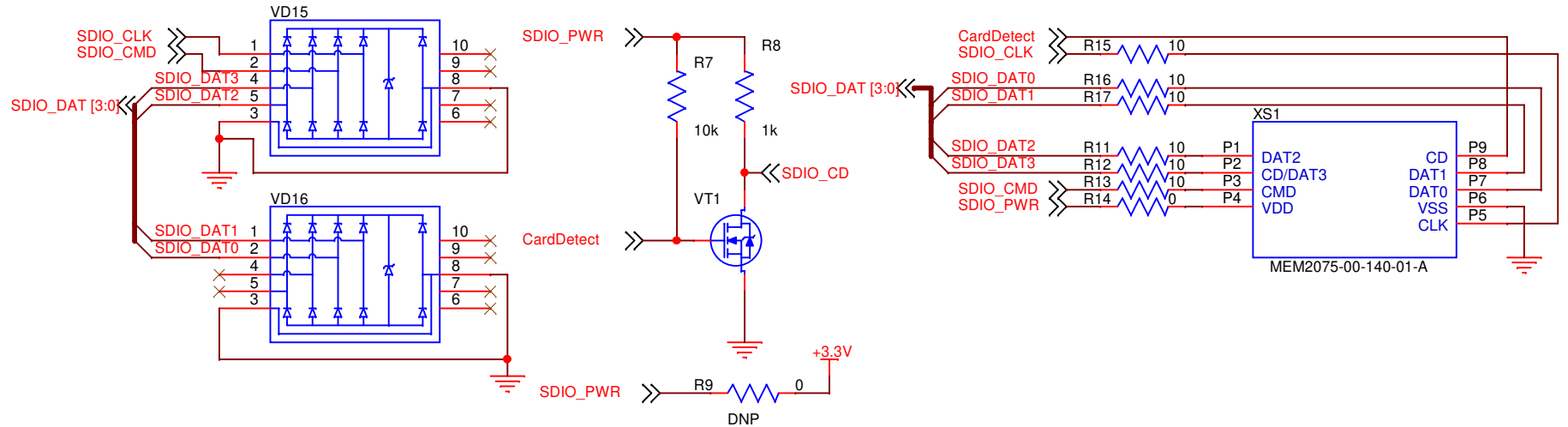
ST_JTAG



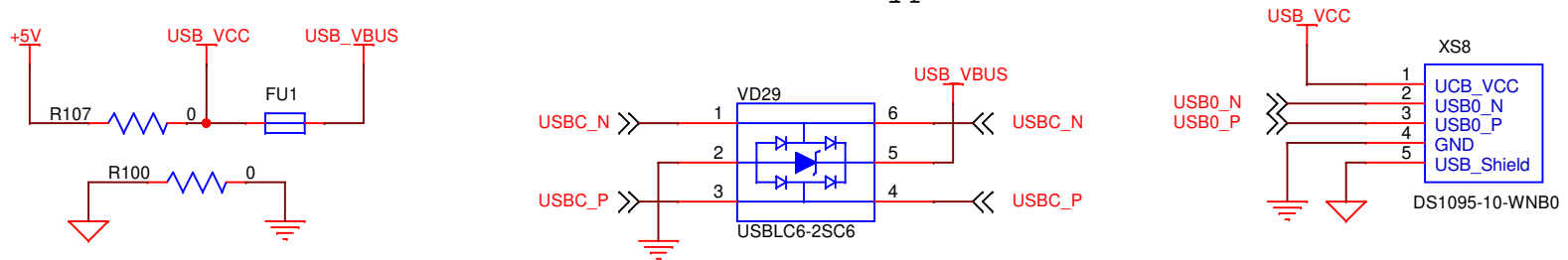
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6. SERIAL INTERFACES 1

uSD Card



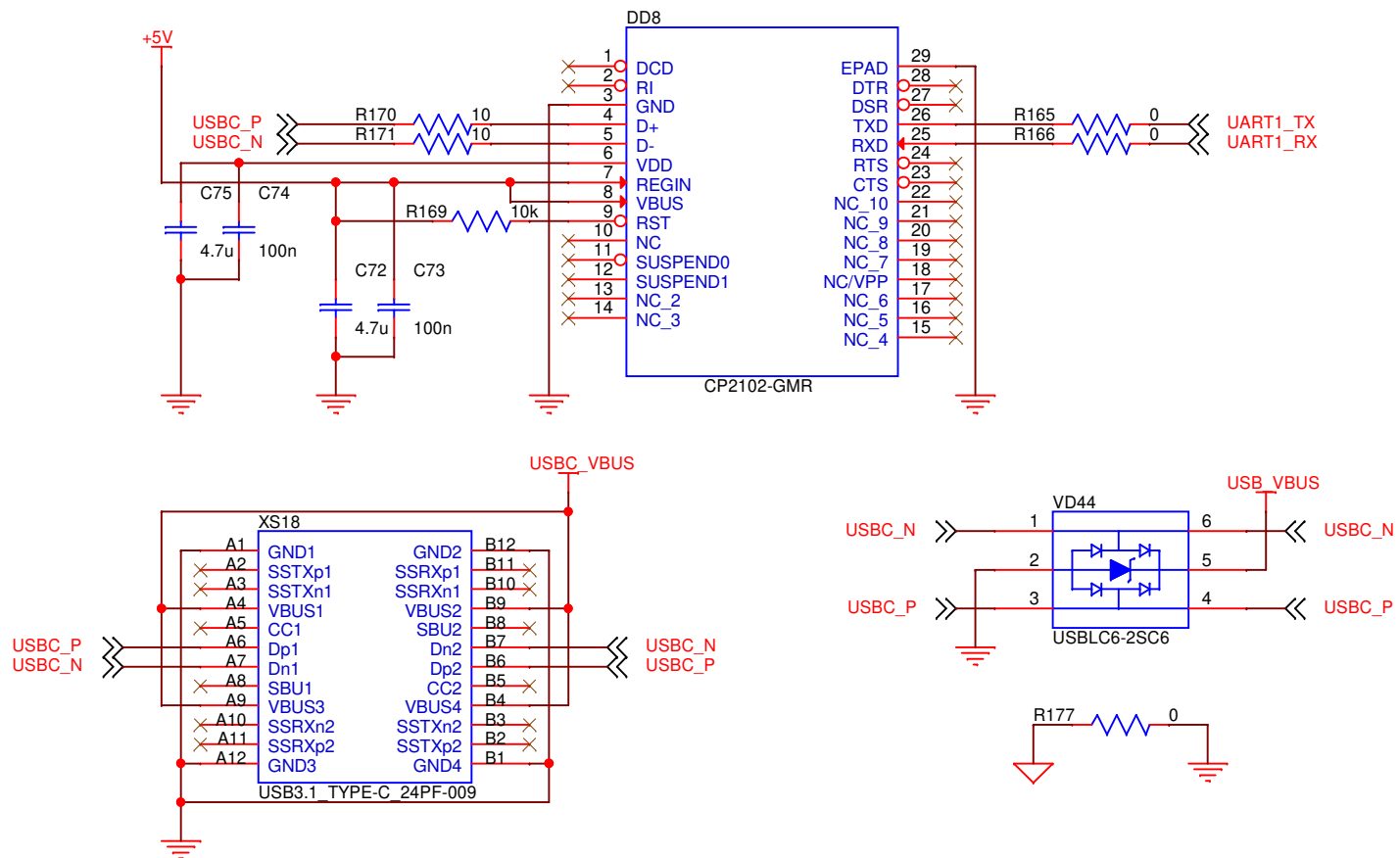
USB Type A



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6. SERIAL INTERFACES 2

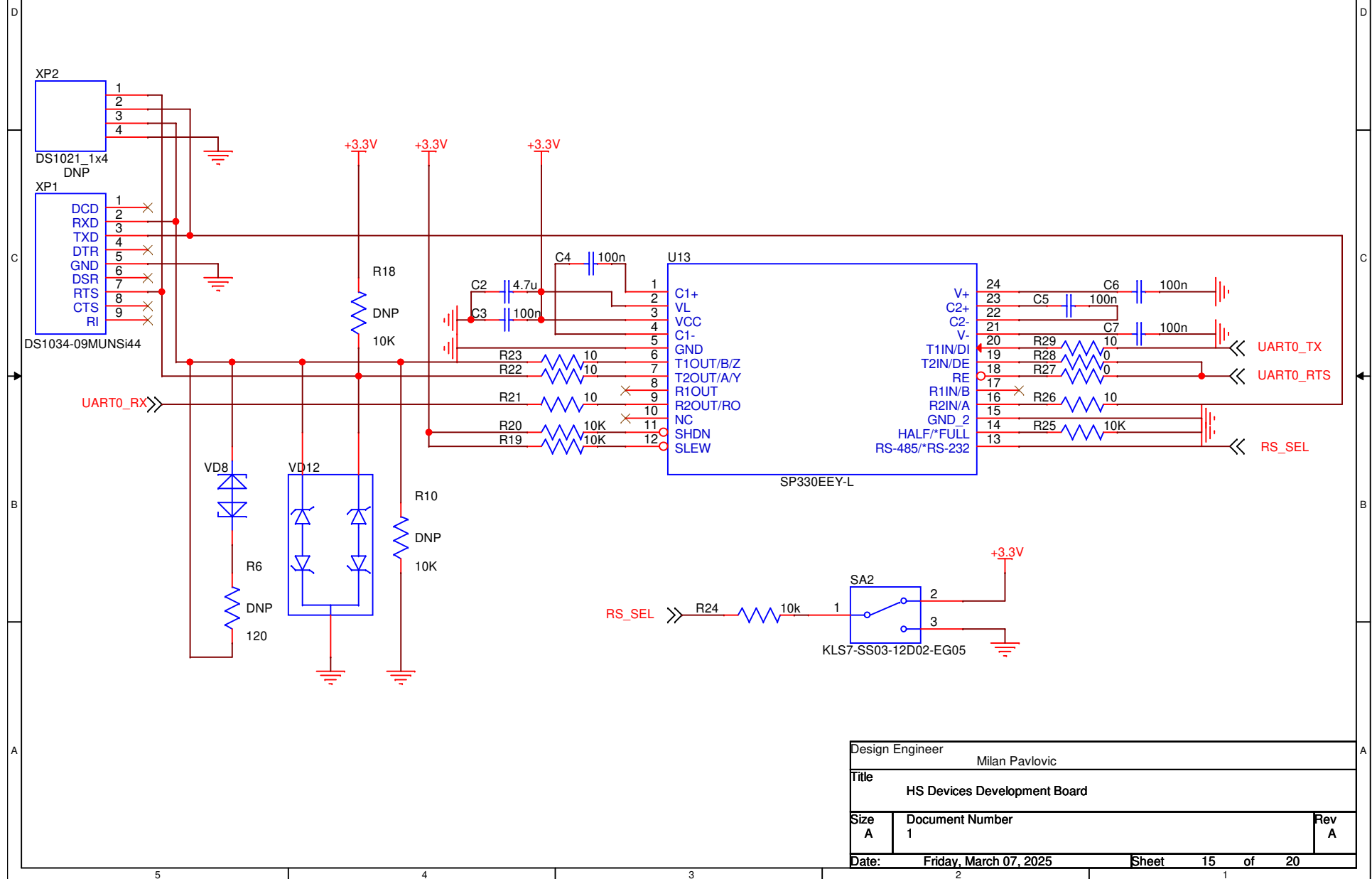
USB Type C



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6. SERIAL INTERFACES 3

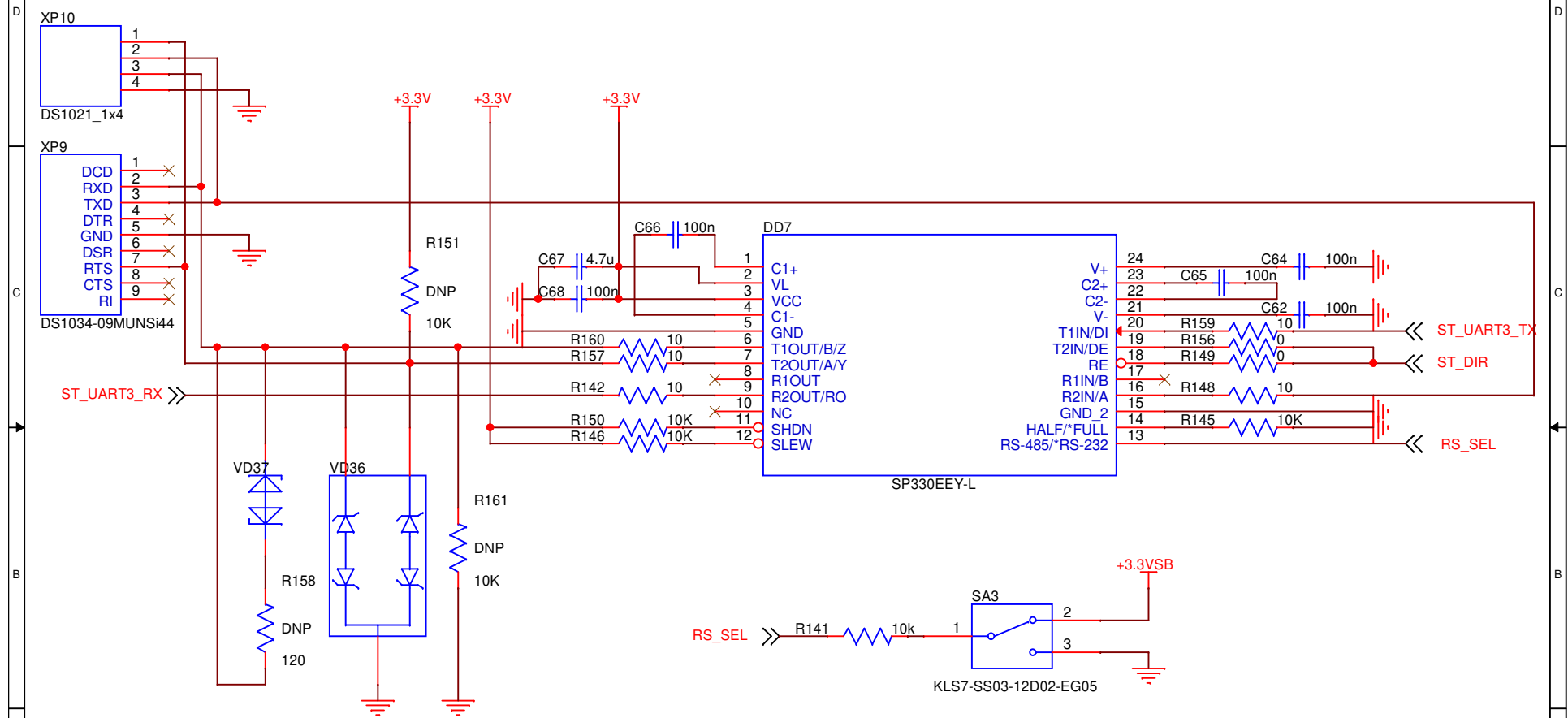
EXTERNAL RS-485/RS-232



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6. SERIAL INTERFACES 4

STM RS-485/RS-232



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Design Engineer: Milan Pavlovic

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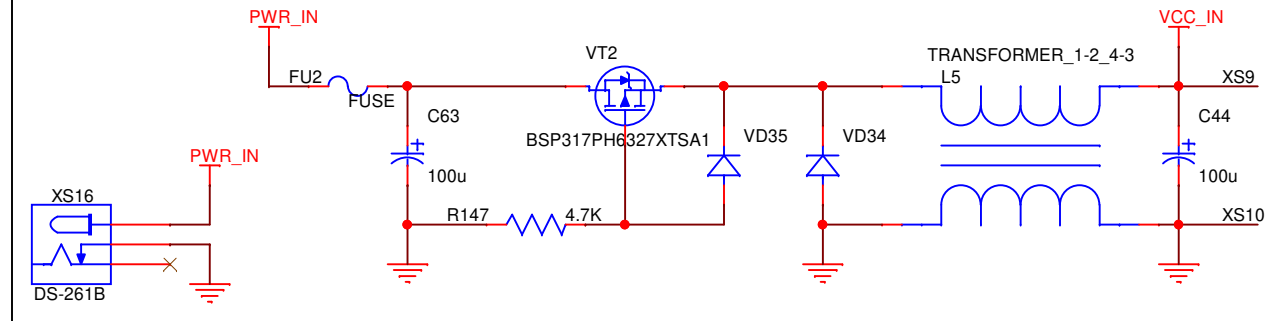
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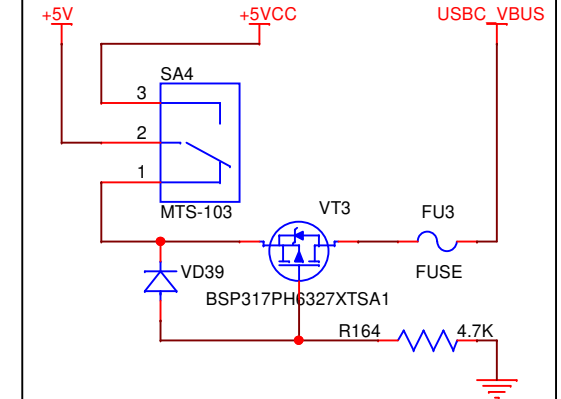
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7. POWER 1

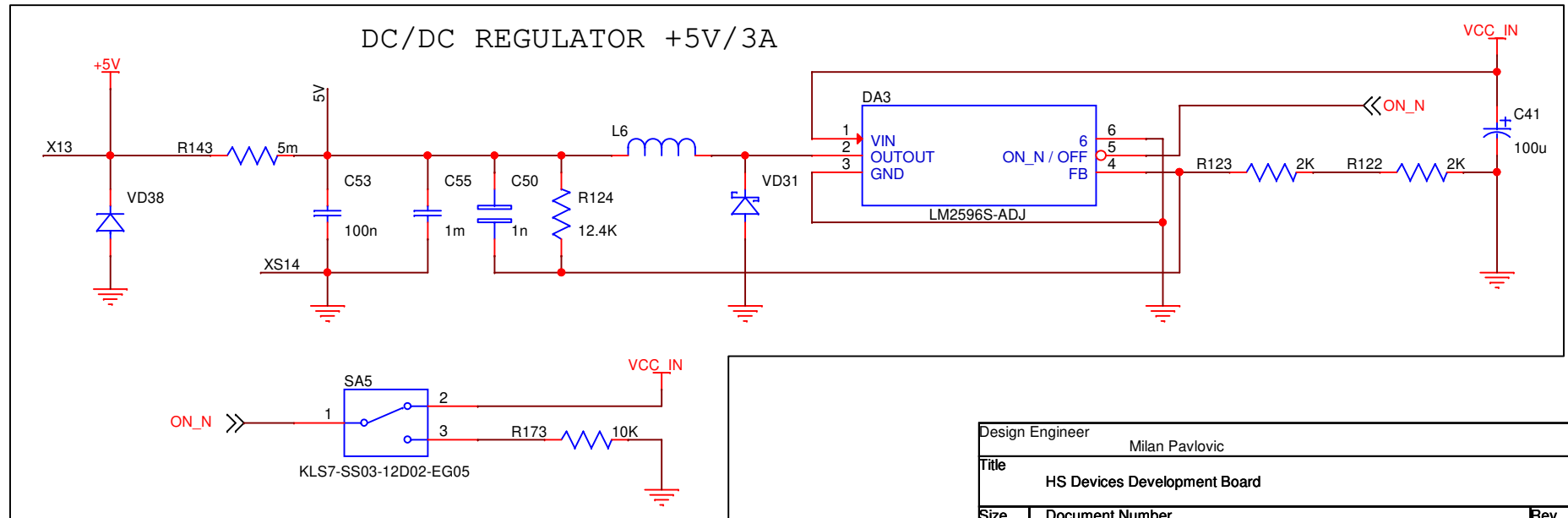
PWR IN FILTERING AND PROTECTION



+5V source selector



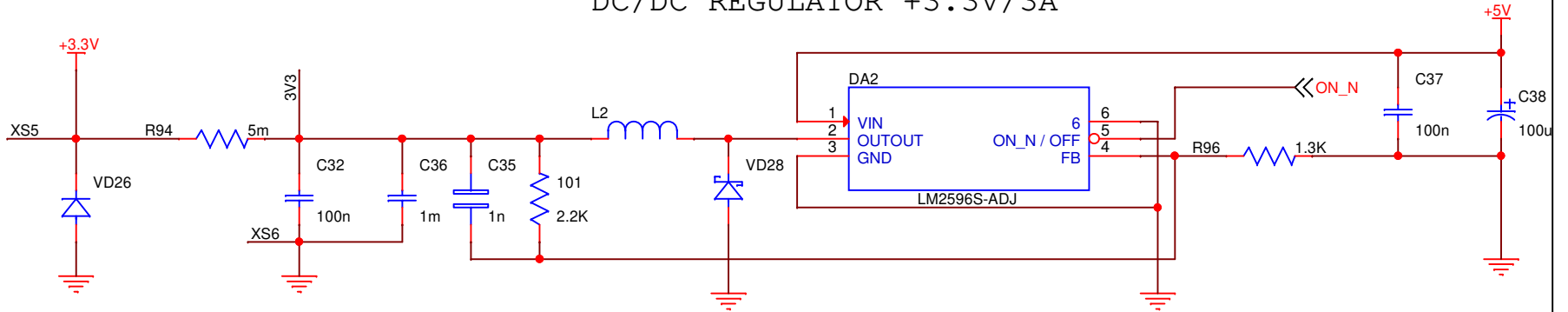
DC/DC REGULATOR +5V/3A



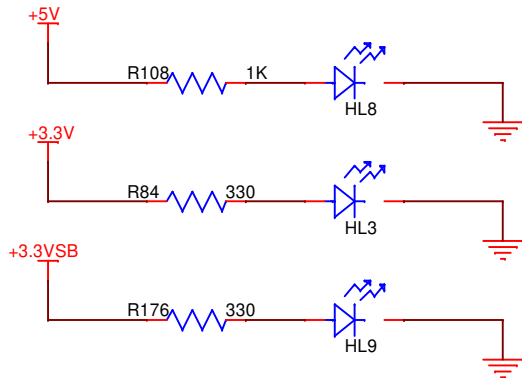
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7. POWER 2

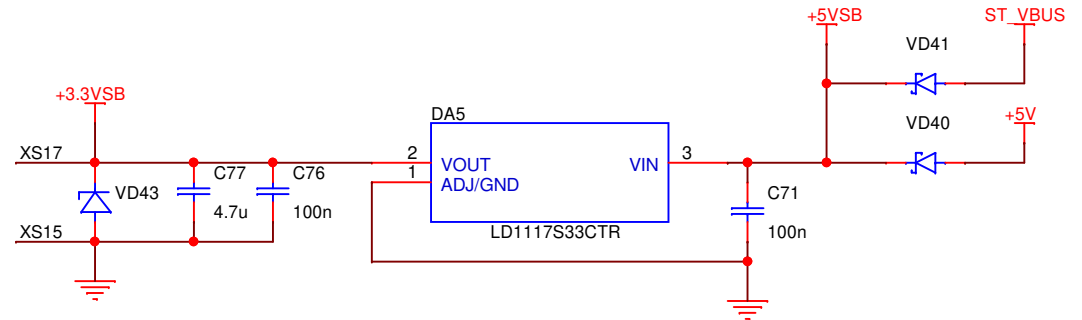
DC/DC REGULATOR +3.3V/3A



INDICATION



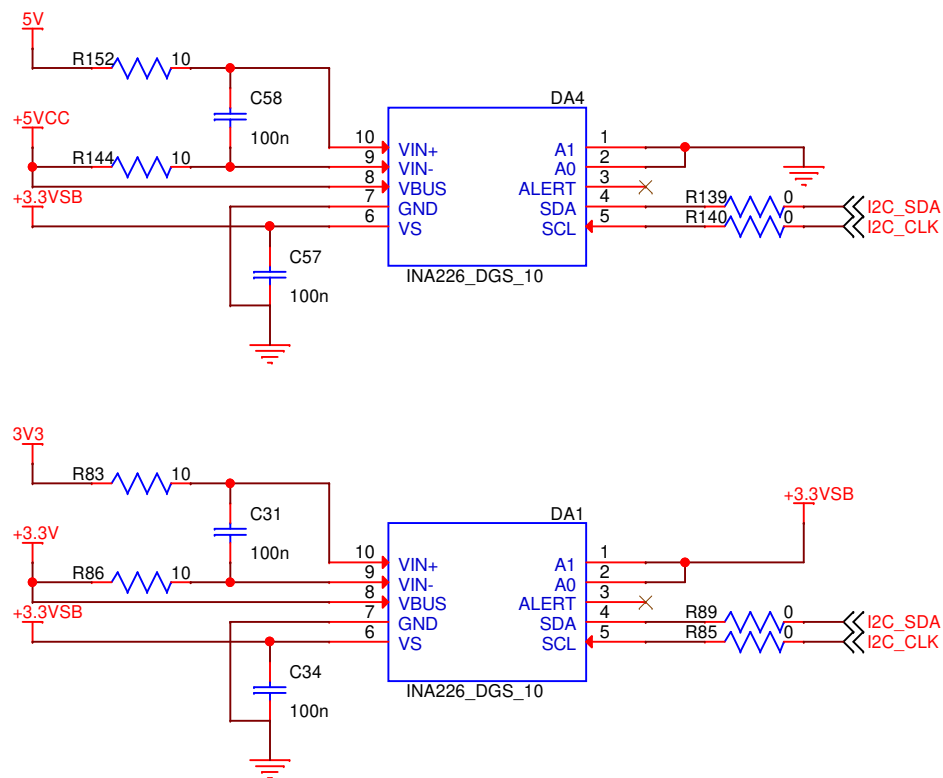
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7. POWER 3

Current/Voltage sensors



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