

1 2 3 4 5 6

A

LC Carrier Board phyCORE-AM335x

PCM-950

PL1380.0-010

B

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C

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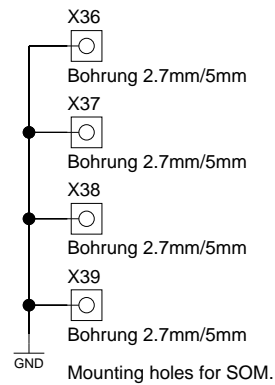
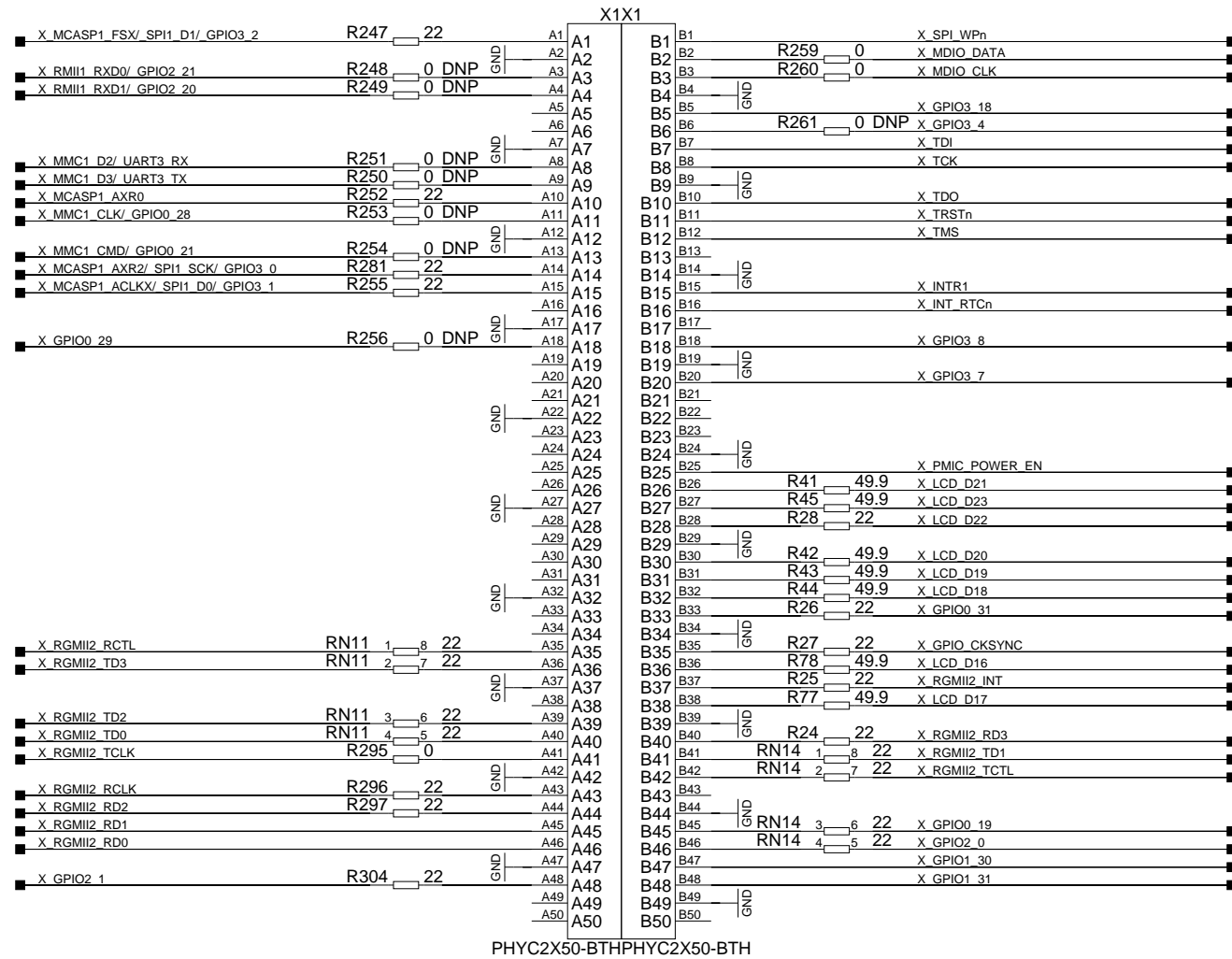
D

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2012-11-26	PCB-No.: 1380.0	Revision: 010	Sheet 1 of 9

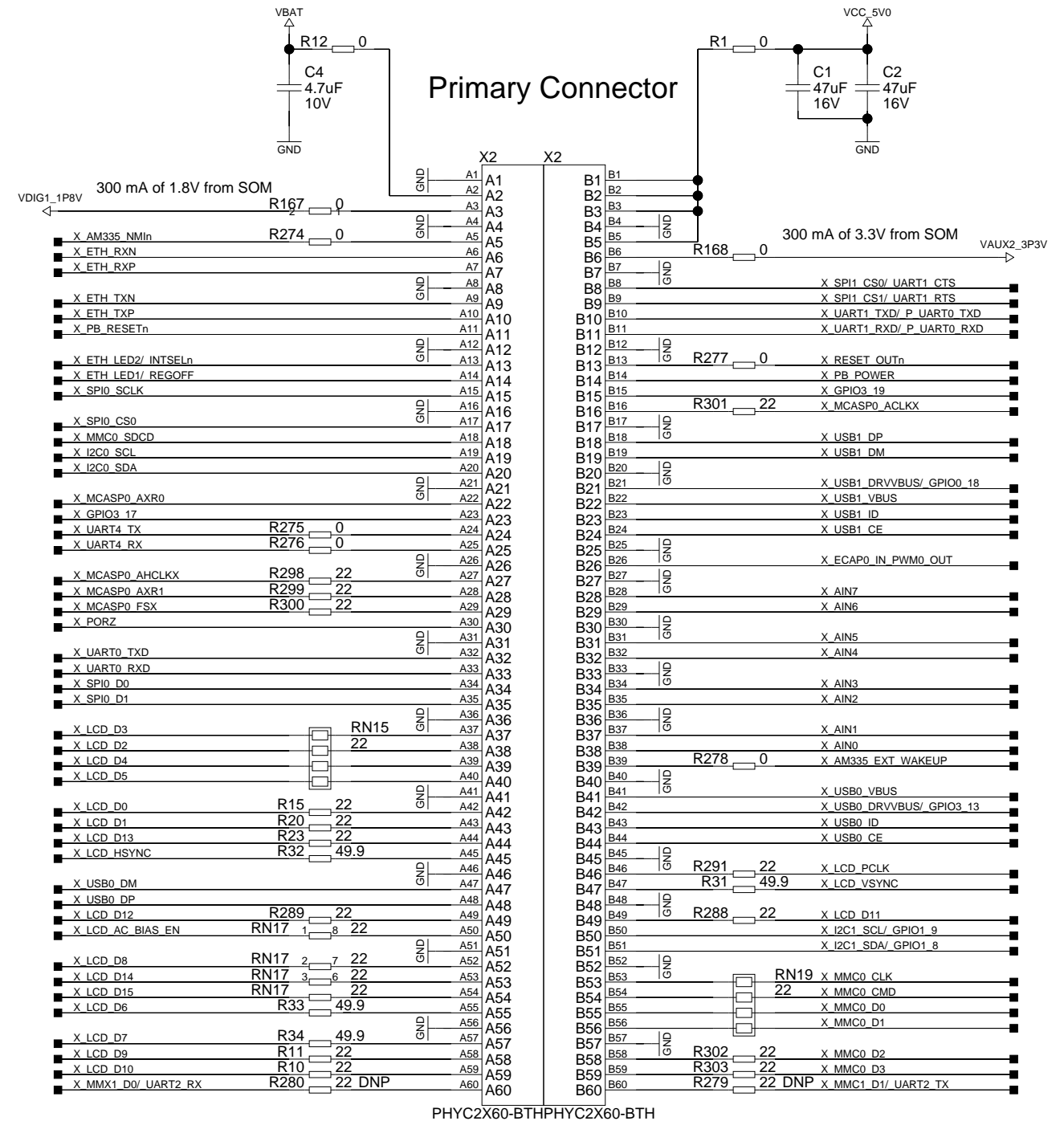
1 2 3 4 5 6

phyCORE connectors

Optional Connector



Primary Connector

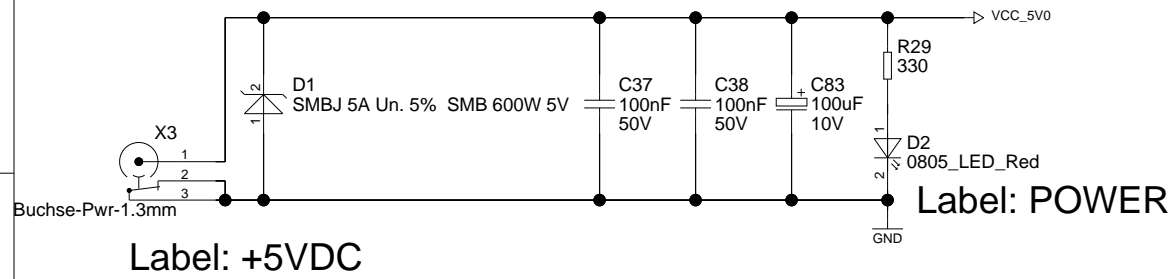


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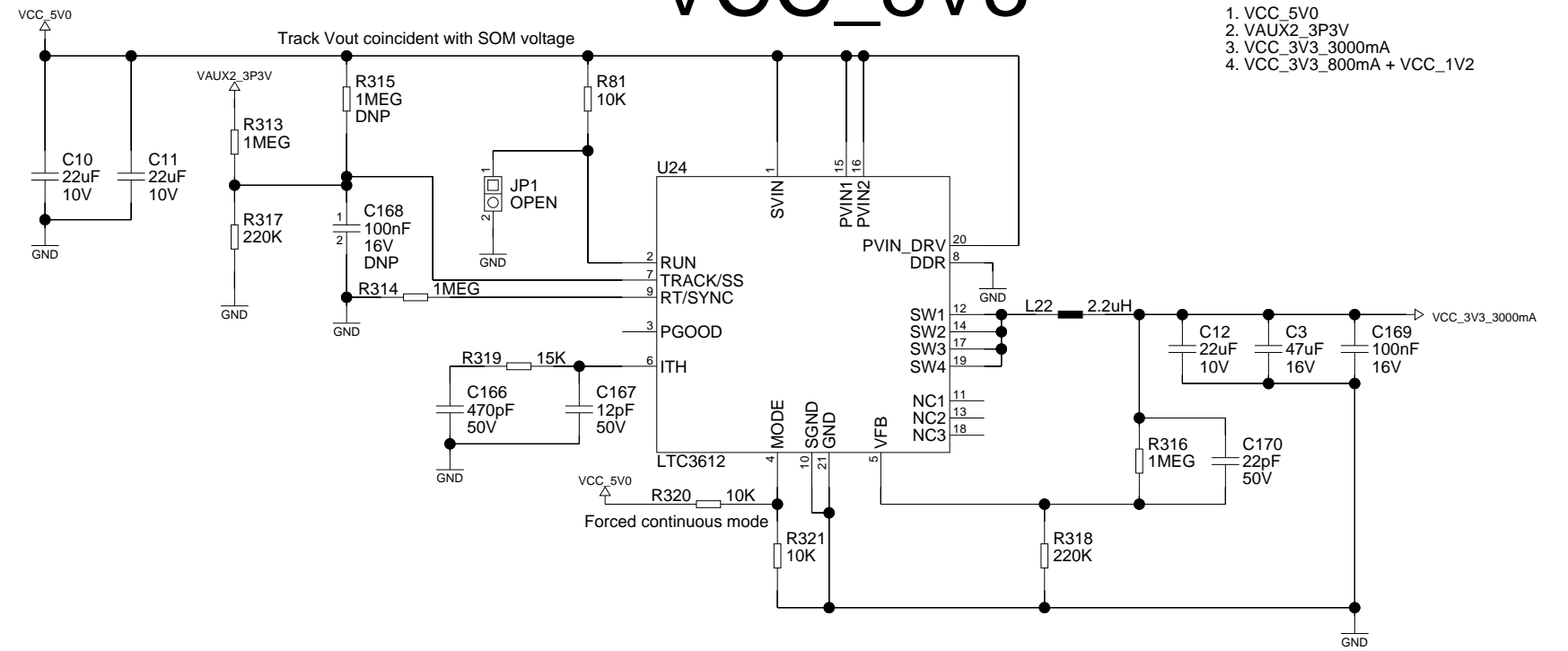
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Power Input

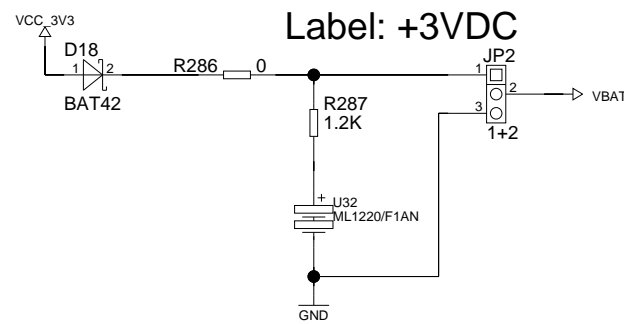


VCC_3V3

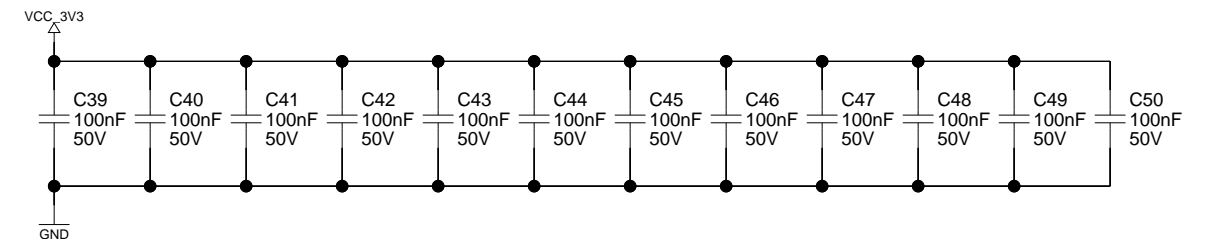
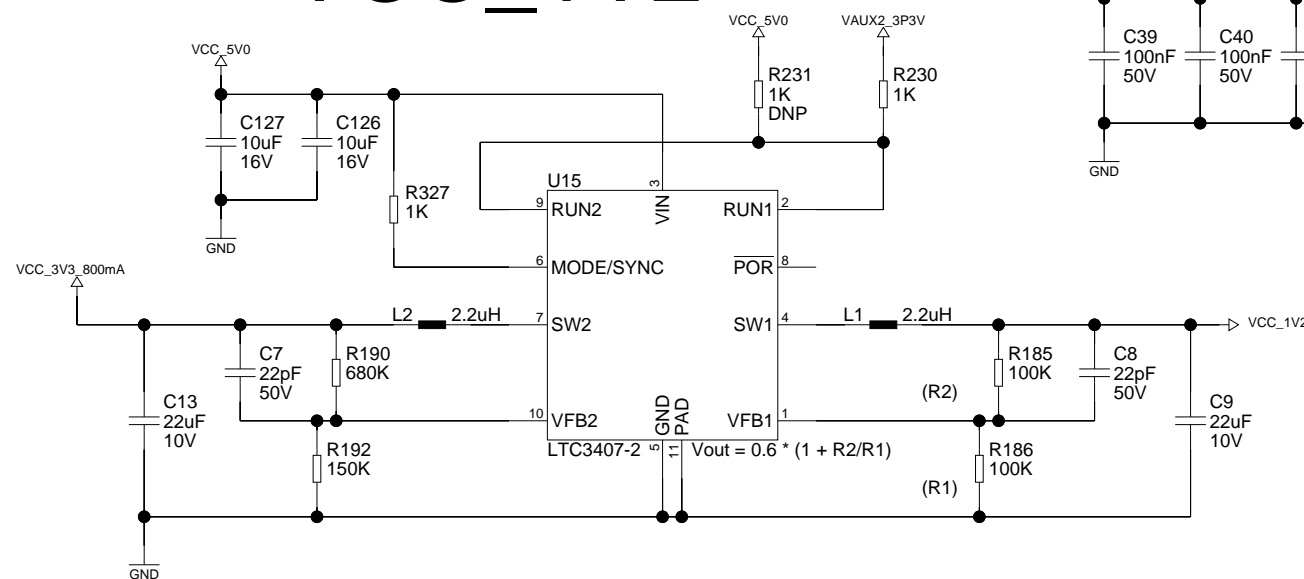


1. VCC_5V0
2. VAUX2_3P3V
3. VCC_3V3_3000mA
4. VCC_3V3_800mA + VCC_1V2

VBAT

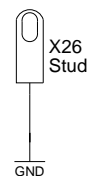
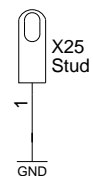


VCC_1V2



Label: GND

Label: GND

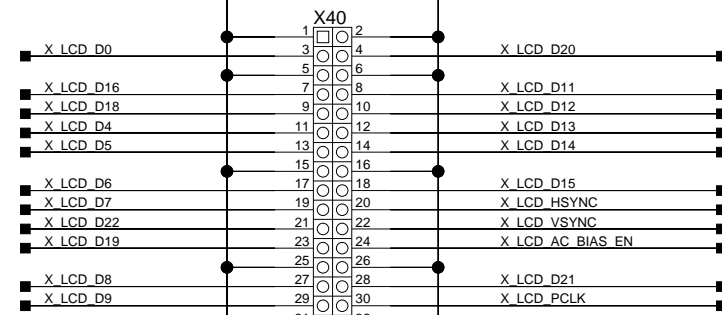
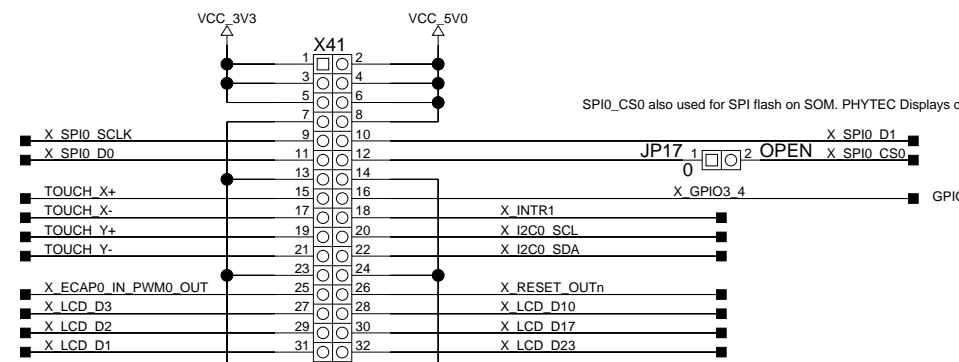
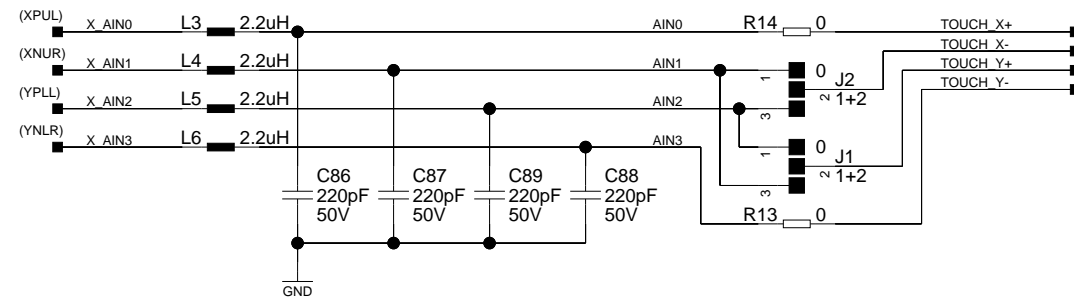


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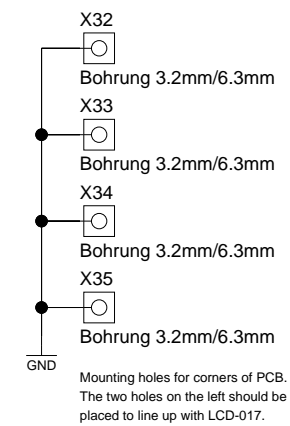
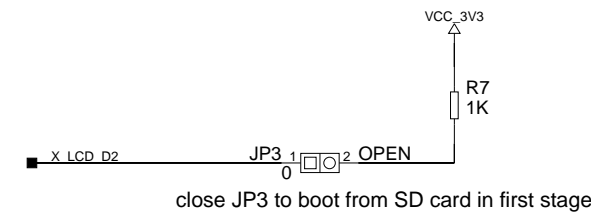
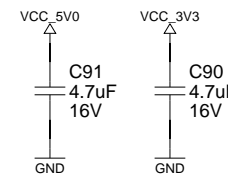
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LCD / TOUCH Interface

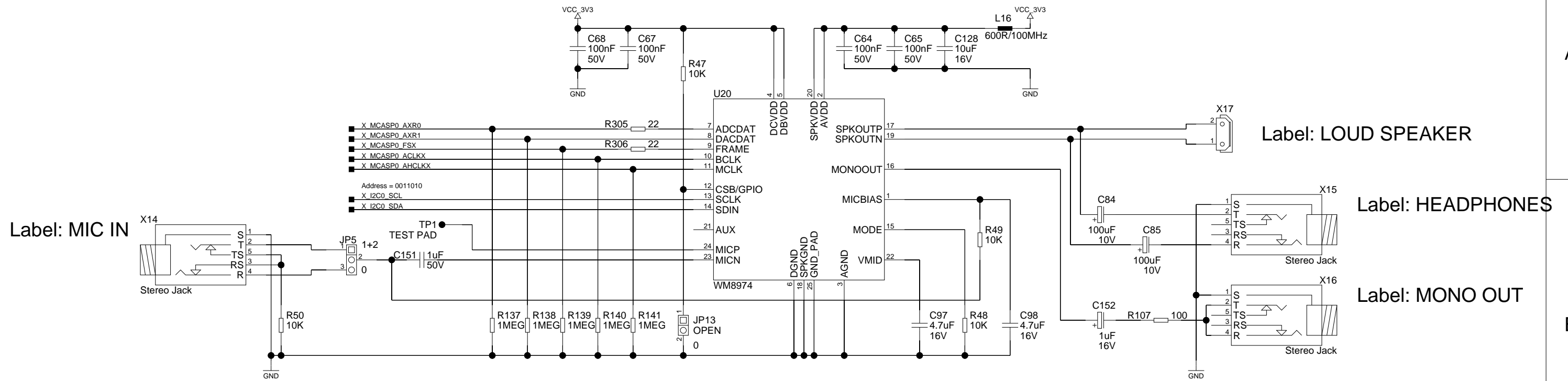


Keep stubs to this connector short.

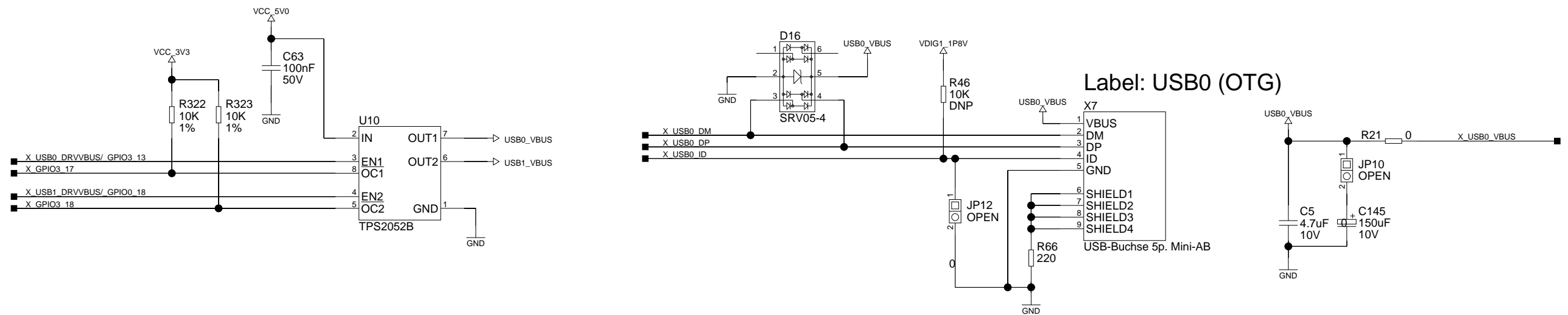


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Audio



USB OTG

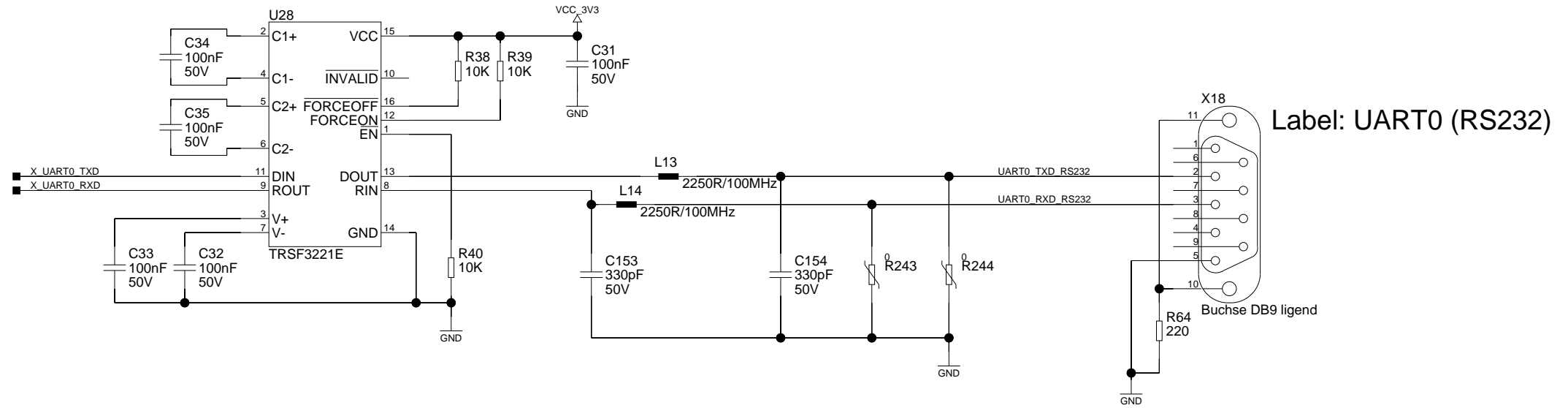


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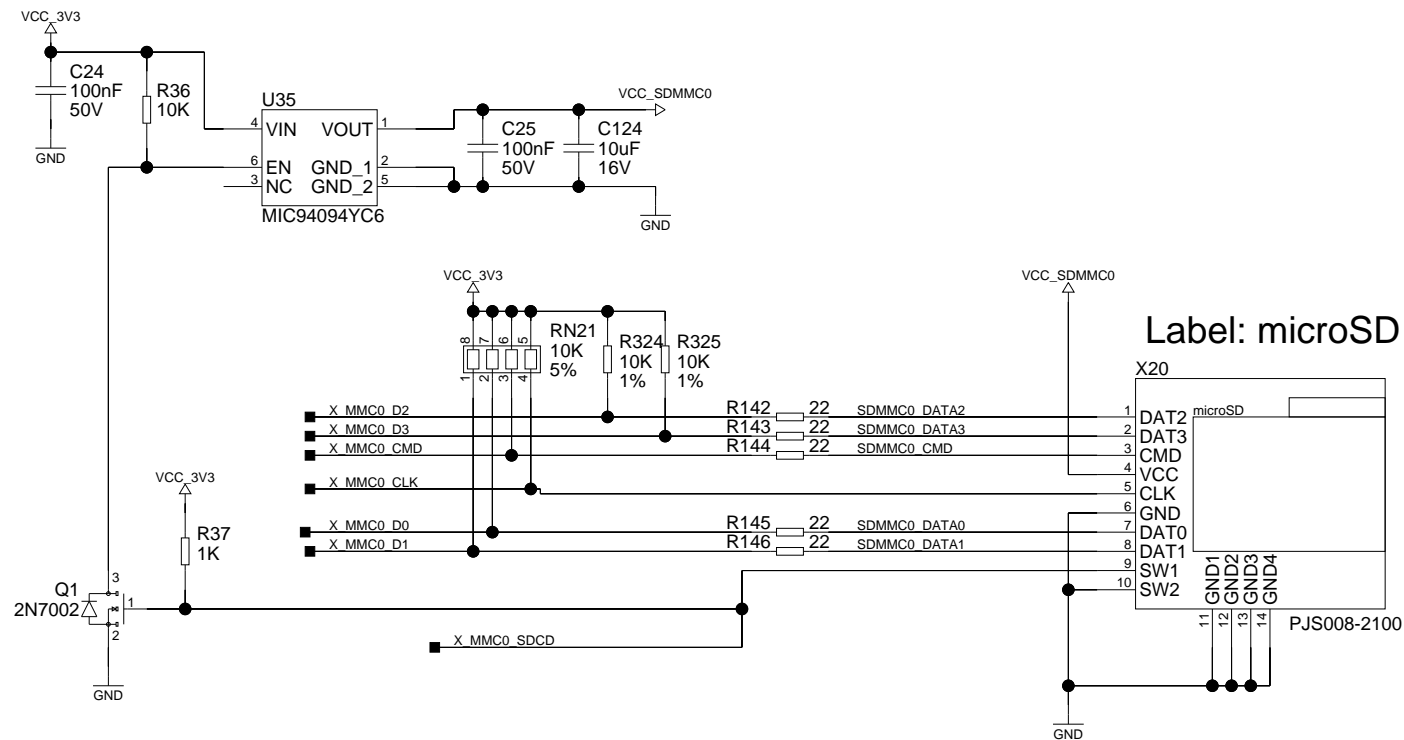
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UART0



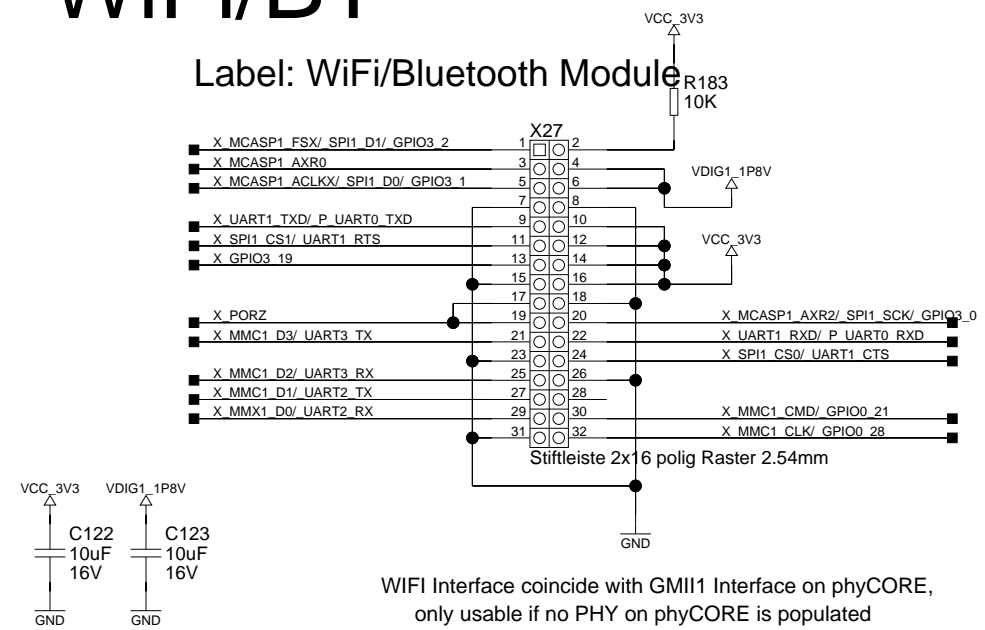
MMC/SD



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WiFi/BT

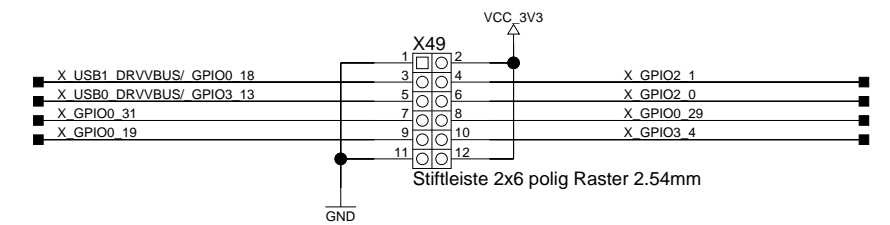
Label: WiFi/Bluetooth Module



WiFi Interface coincide with GMII1 Interface on phyCORE, only usable if no PHY on phyCORE is populated

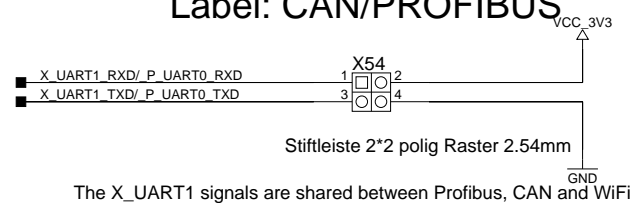
Expansion Connectors

Label: GPIO



GPIO Expansion Connector

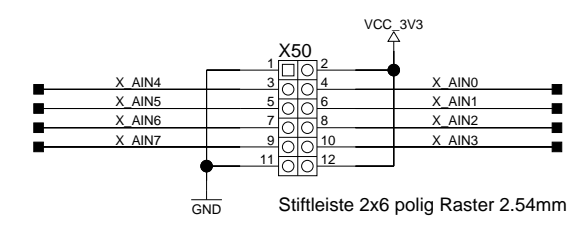
Label: CAN/PROFIBUS



The X_UART1 signals are shared between Profibus, CAN and WiFi

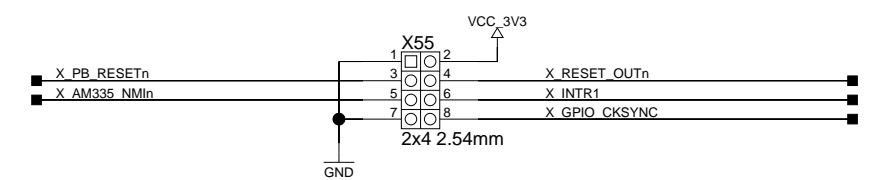
CAN/PROFIBUS Expansion Connector

Label: ADC-IN



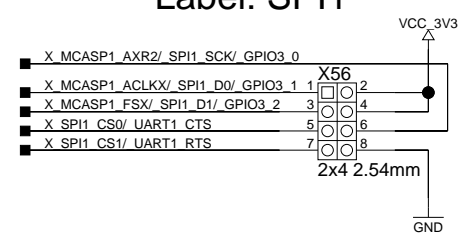
Analog Expansion Connector

Label: MISC



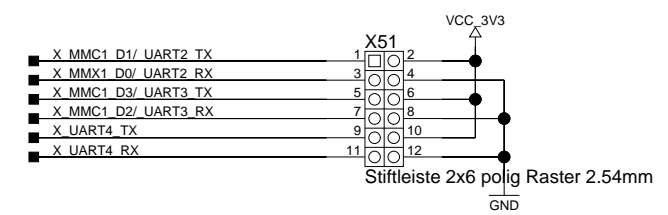
MISC Expansion Connector

Label: SPI1



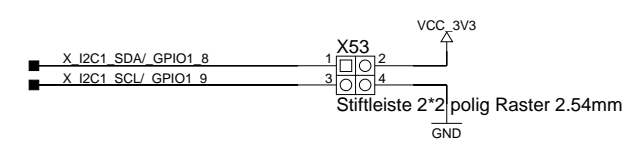
SPI Expansion Connector

Label: UART2..4



UART Expansion Connector

Label: I2C1



I2C Expansion Connector

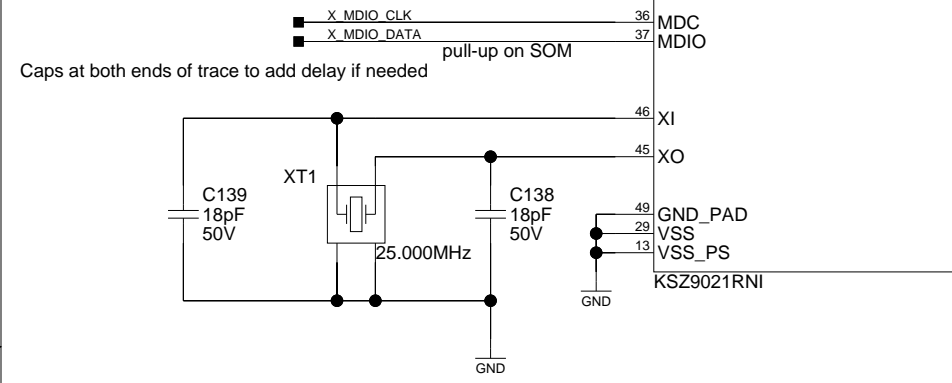
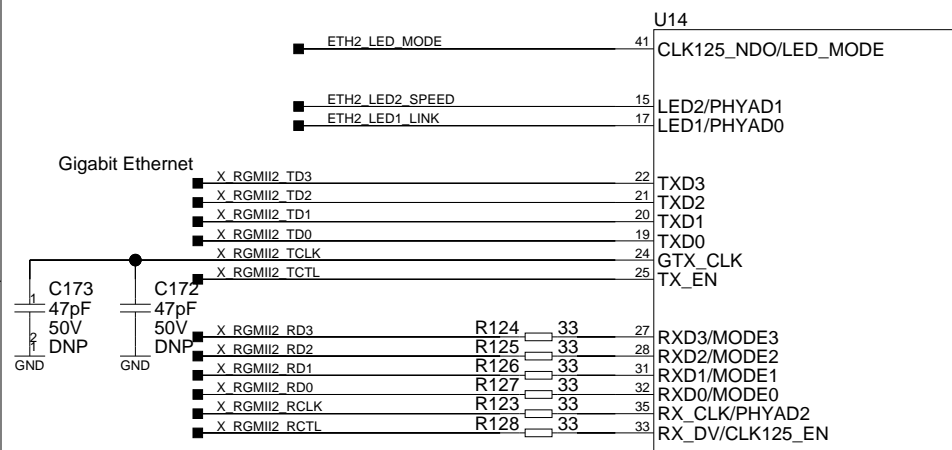
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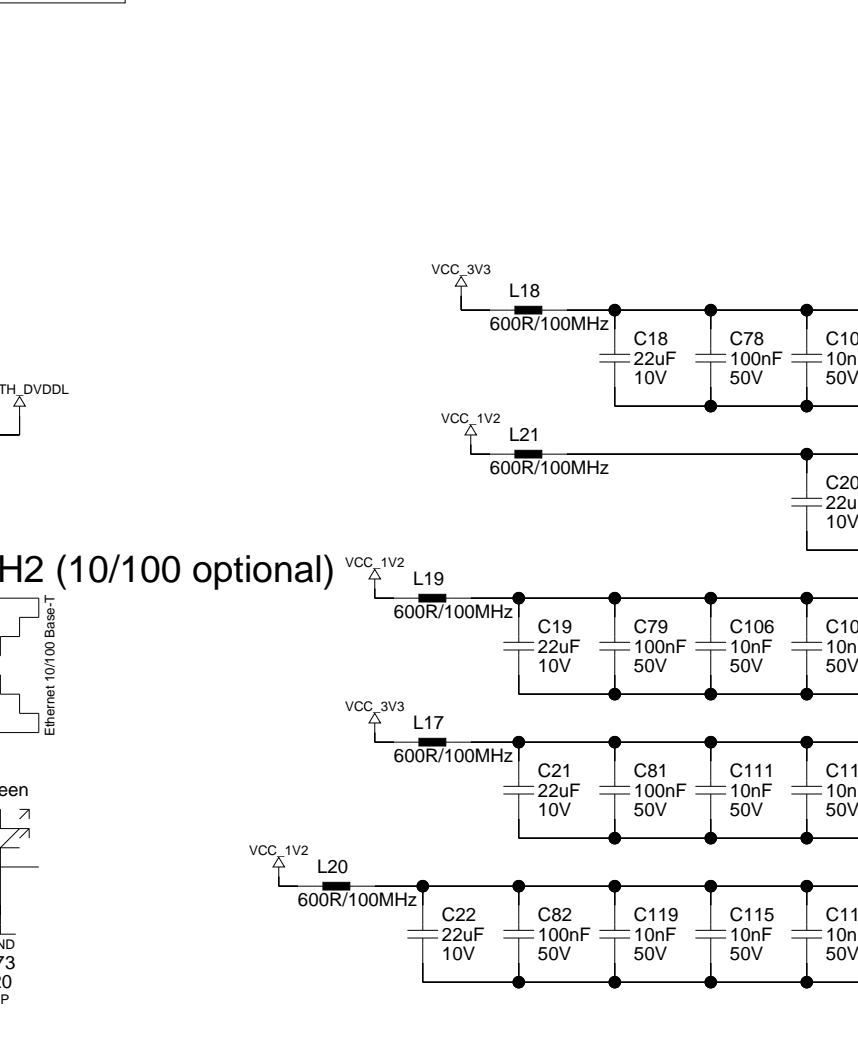
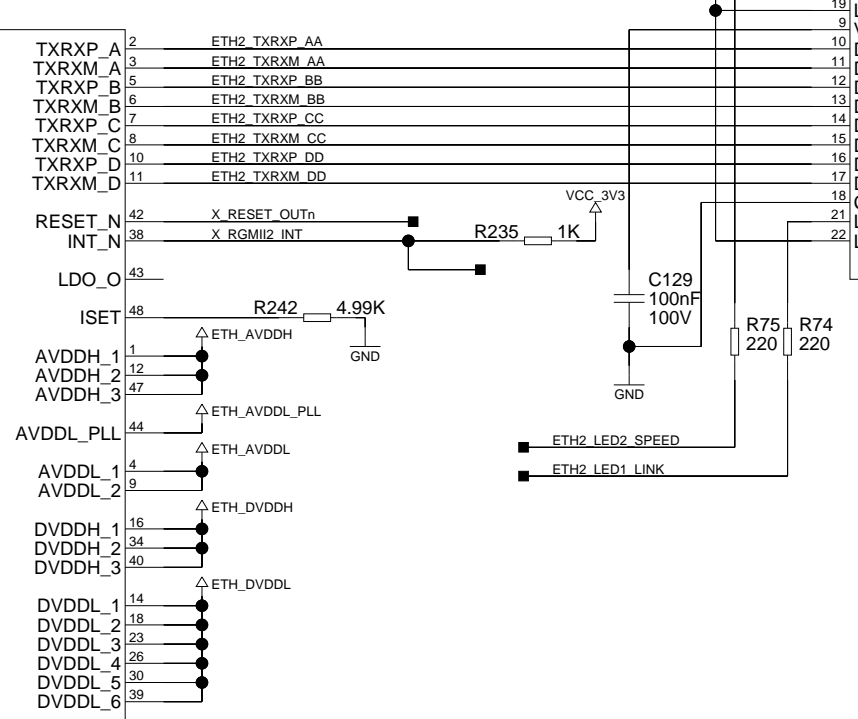
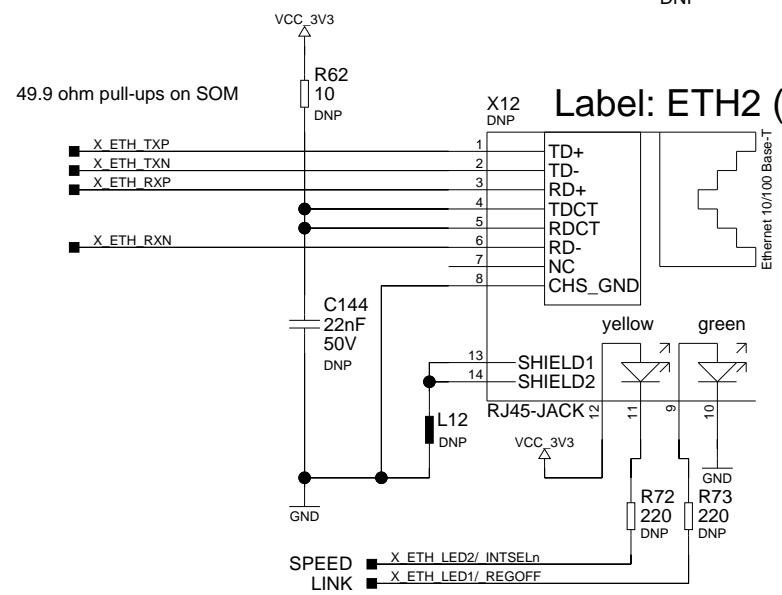
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Author: T. Jacobson/A. Beuscher

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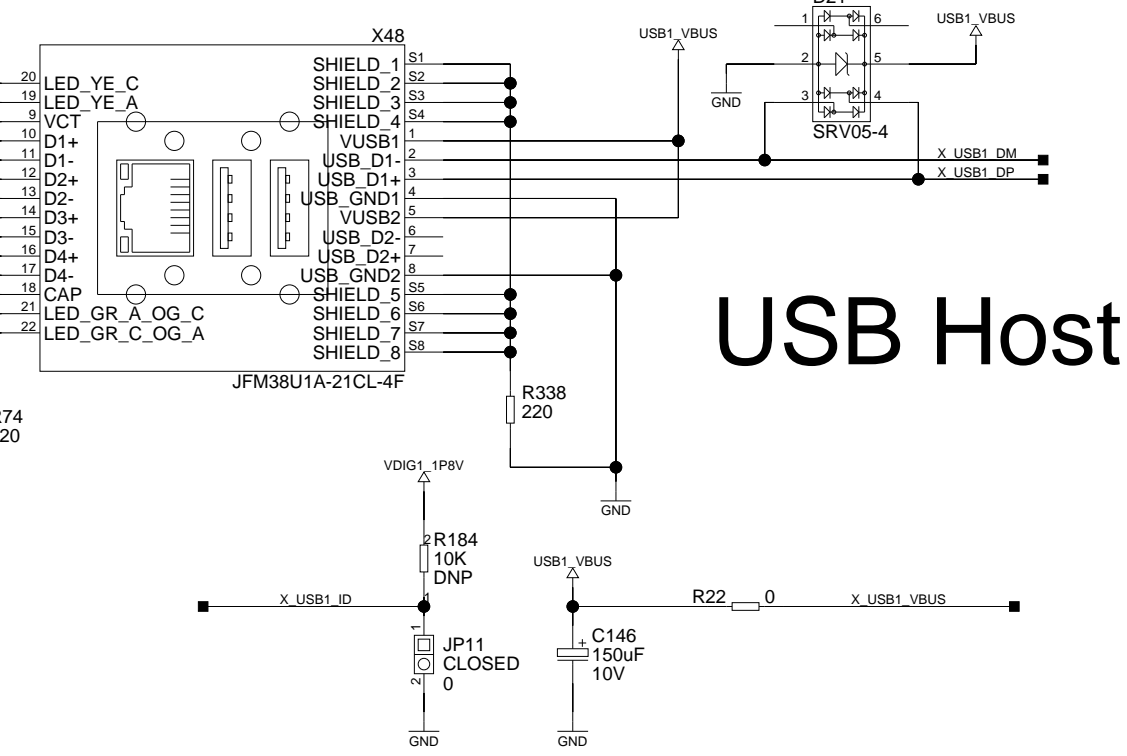
Gigabit Ethernet



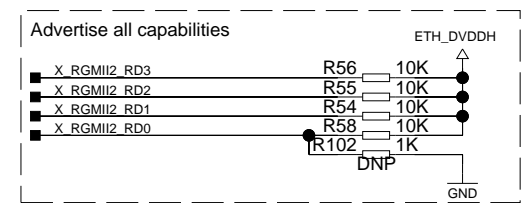
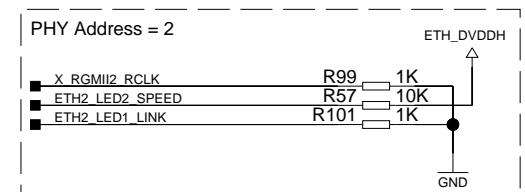
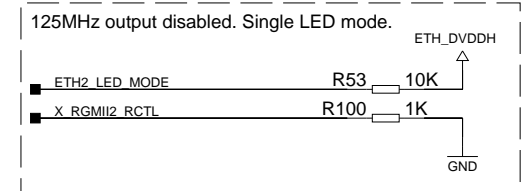
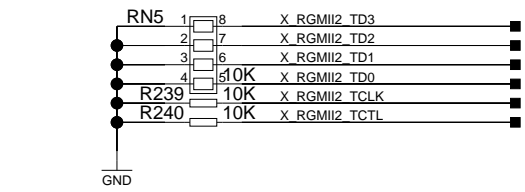
10/100 Base-T



Label: USB1_HOST & ETH_GIG

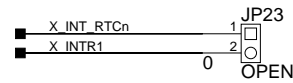
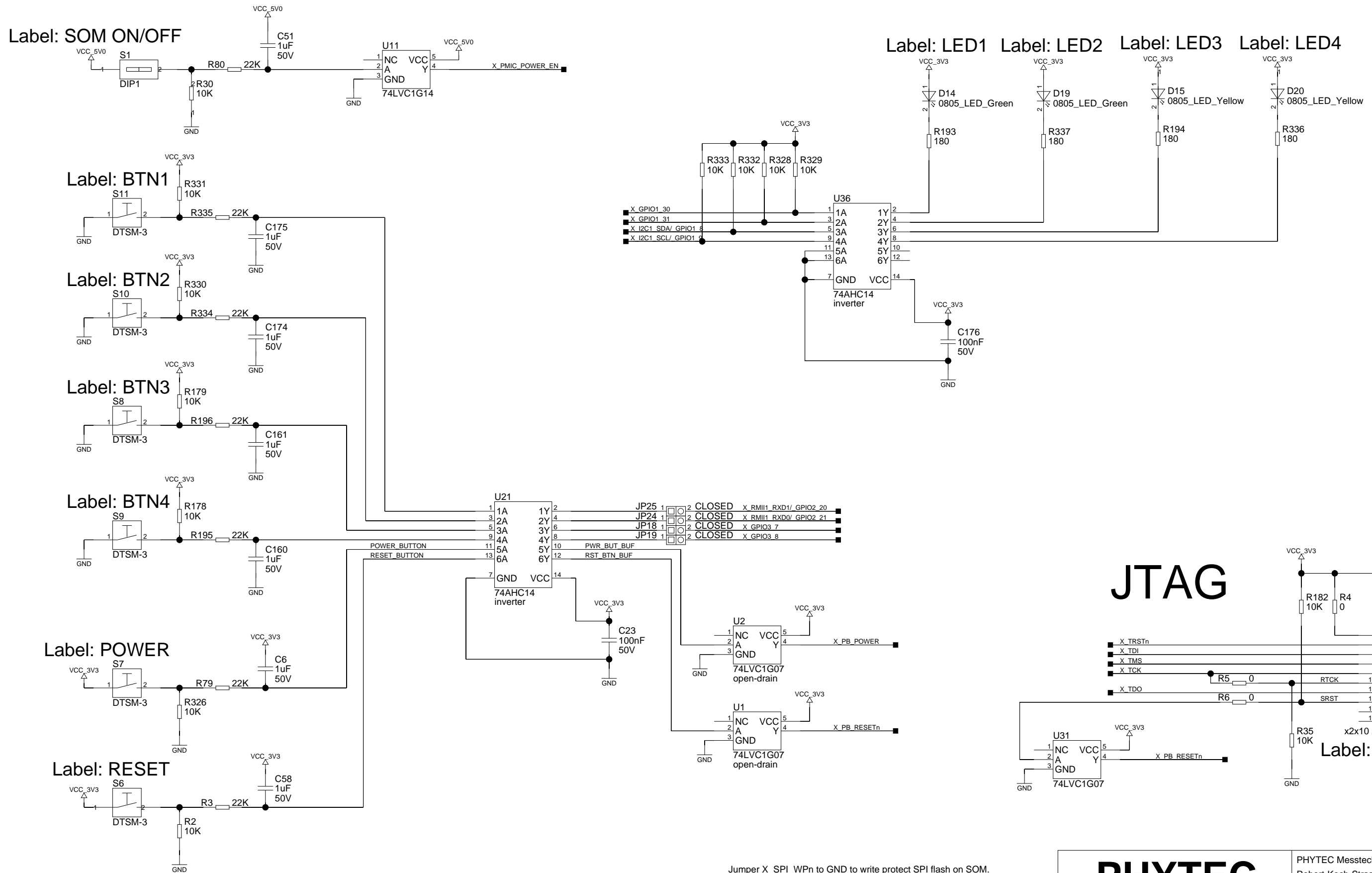


USB Host

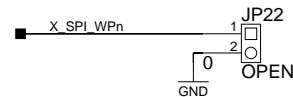


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User LEDs and Buttons



Jumper X_SPI_WPn to GND to write protect SPI flash on SOM.



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