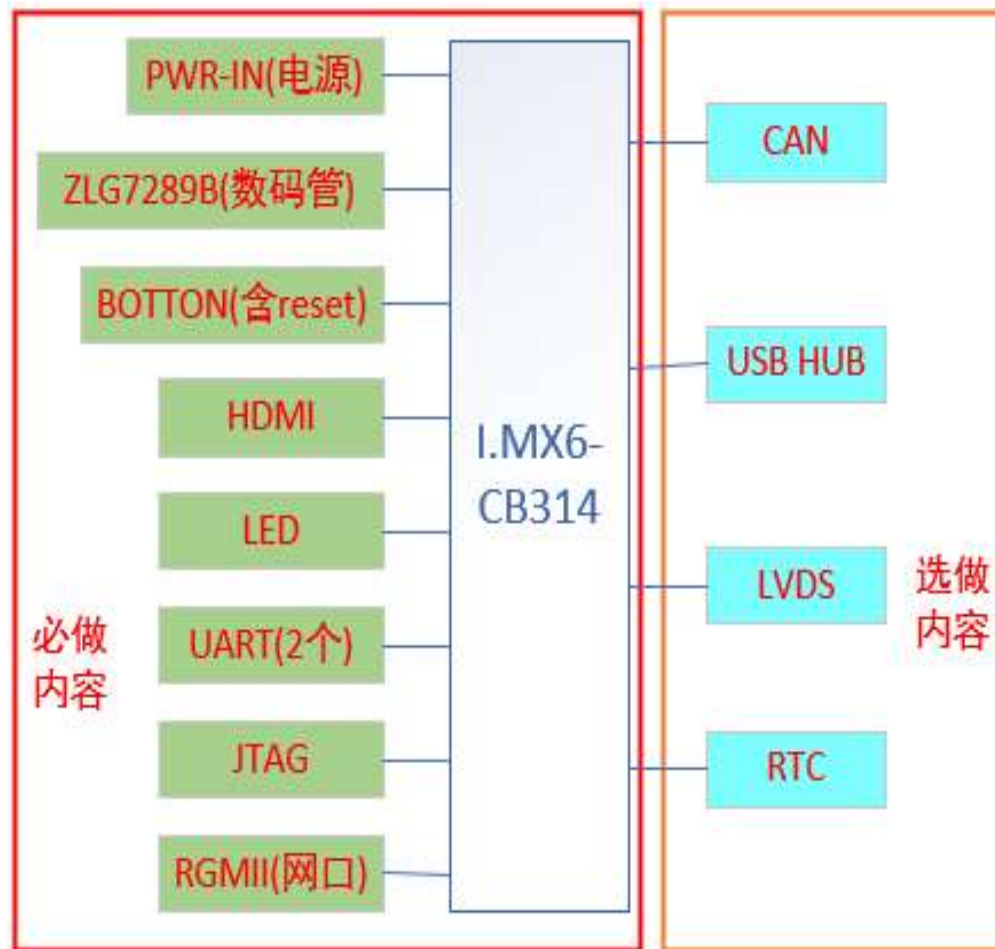


MY-I.MX6-DB314_Revb

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Page 4	LCD/LVDS (选做)
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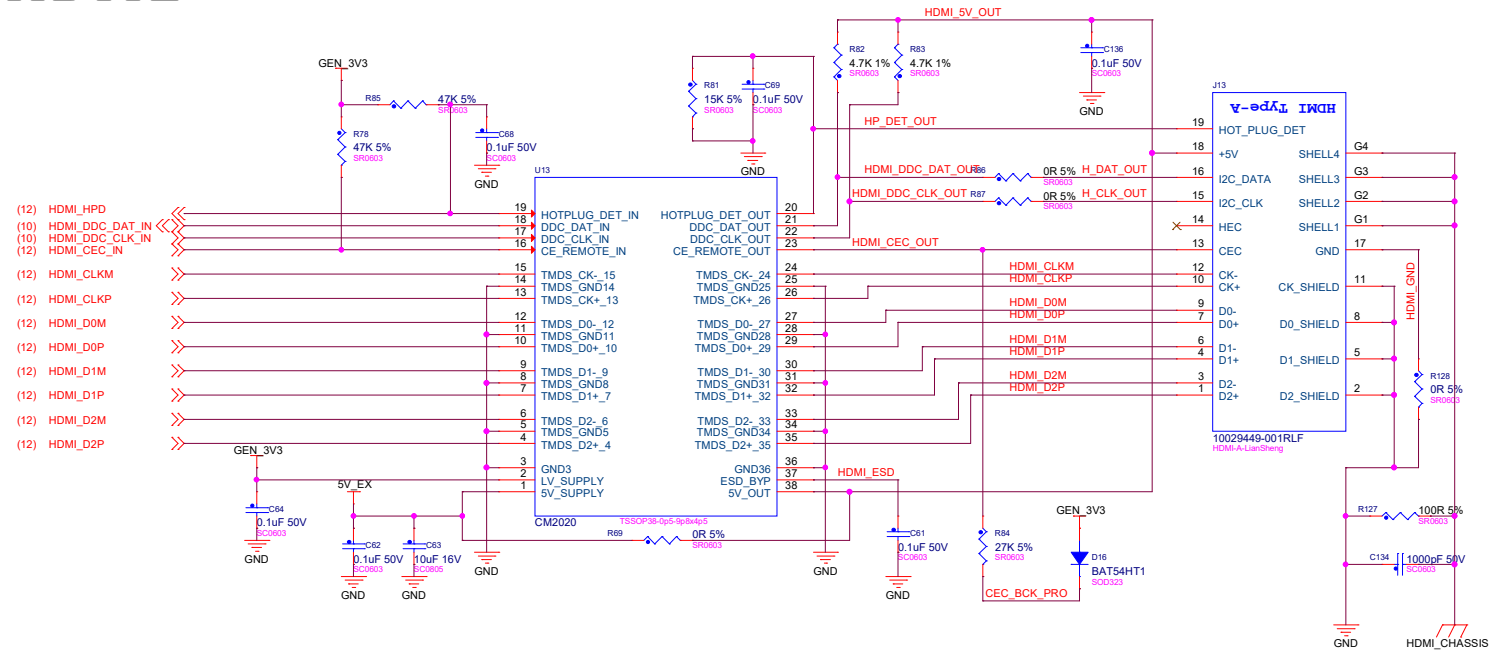


DEBUG UART

The schematic diagram illustrates the debug UART circuit for the MY-I.MX6-MB314 board. The central component is the SP3232EEY (U1), an RS-485 transceiver. It is powered by a 3.3V supply (GEN_3V3) and ground. The circuit includes four 0.1uF 50V capacitors (C10, C12, C13, C15) for decoupling. The transceiver's T1OUT and T2OUT pins are connected to two 4-pin headers (J16 and J17) via A2501WV-4P connectors. The headers are labeled with signals: T1OUT, R1OUT, T2OUT, and R2OUT. The transceiver's T1IN, T2IN, R1OUT, and R2OUT pins are connected to the UART1_TXD, UART5_TXD, UART1_RXD, and UART5_RXD pins of the board, respectively. The board pins are labeled with (12) indicating 12V signals.

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A	HDMI	D
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HDMI



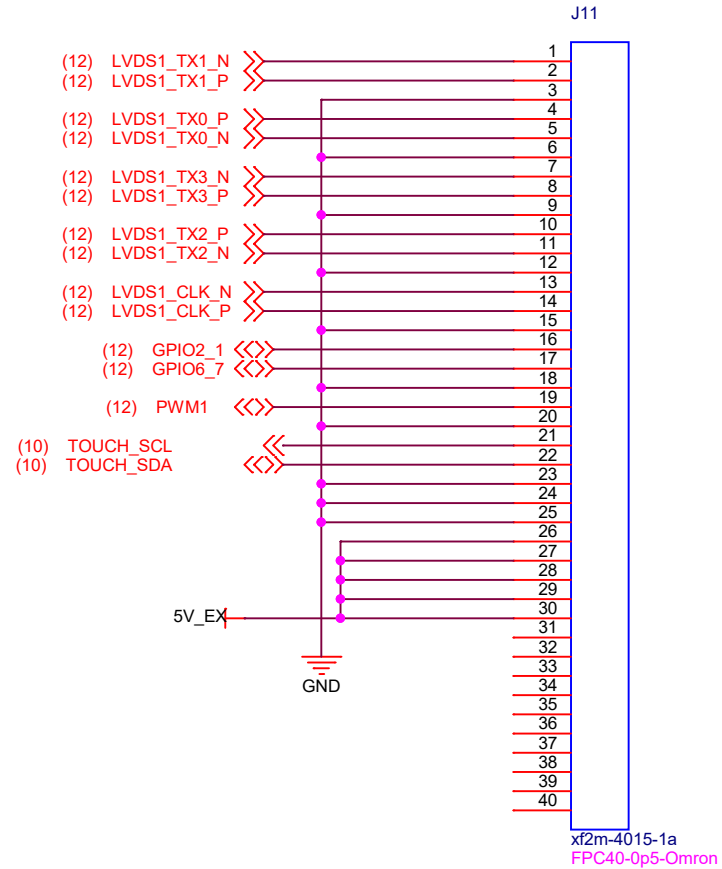
Layout: HDMI 100 ohm differential pairs

NOTE:

When using HDMI, I2C2 bus is limited to 100 kHz to read EDID values due to HDMI standards. I2C2 bus speed should be limited to 100 kHz whenever Hot Plug Detect is high.

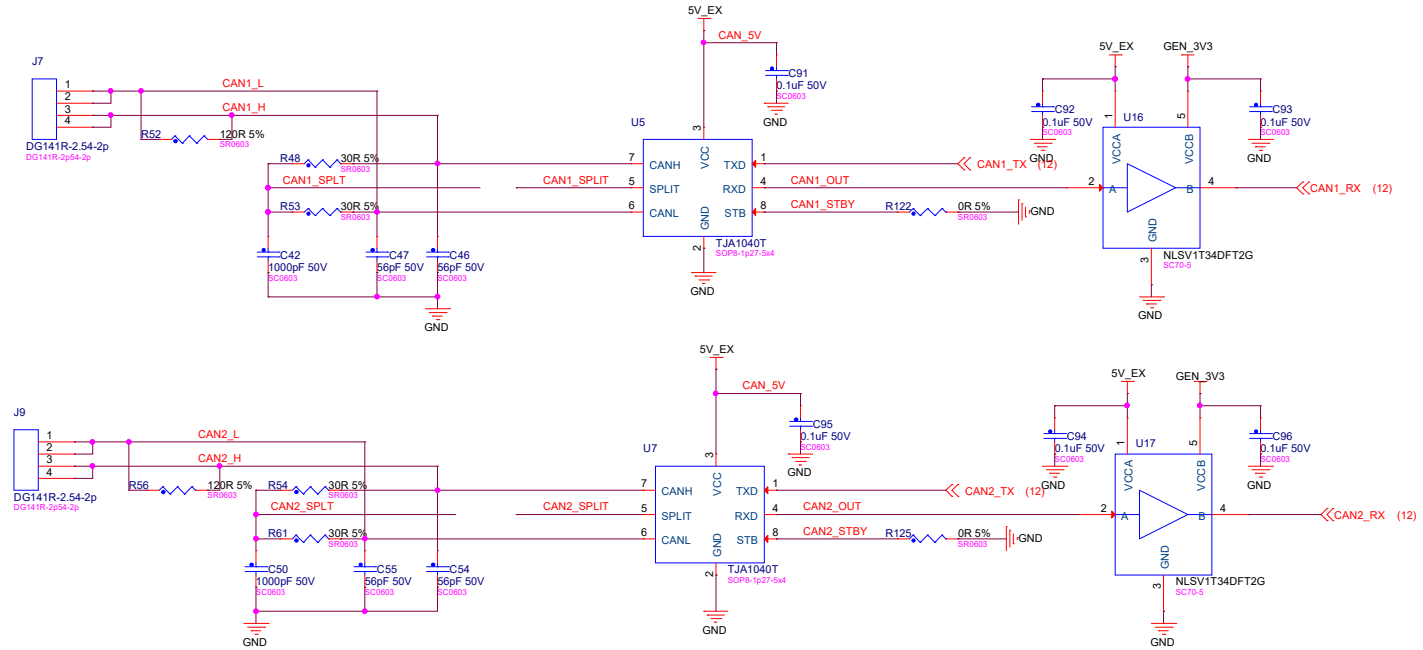
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Size B	Document Number HDMI	Rev D
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LVDS



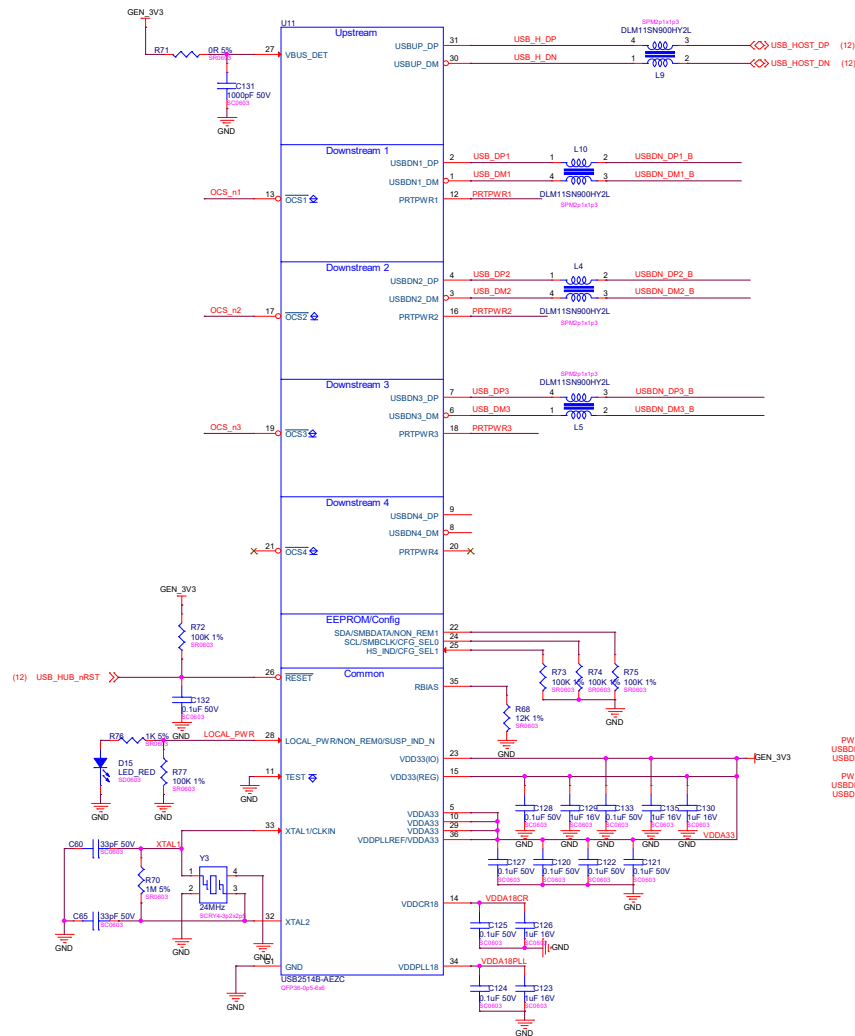
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MY-I.MX6-MB314		
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CAN

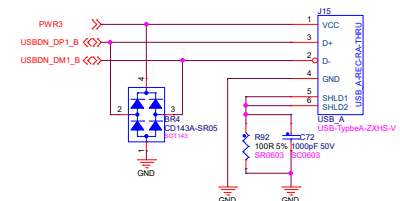
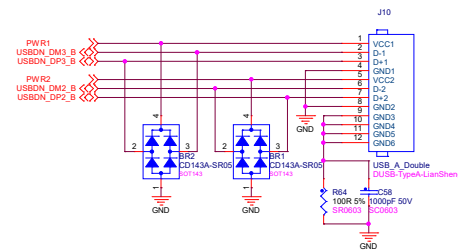
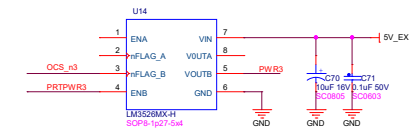
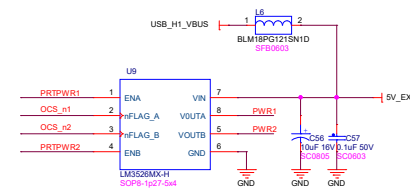
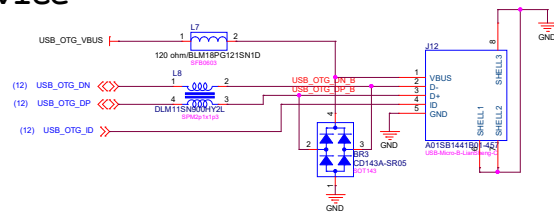


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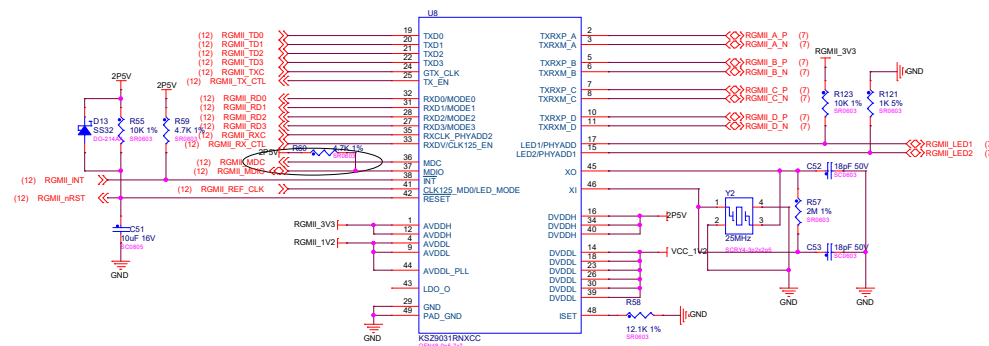
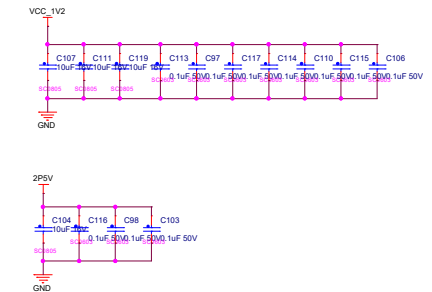
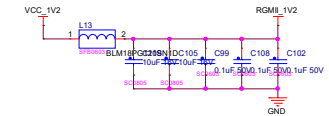
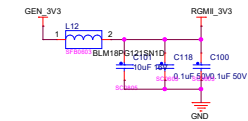
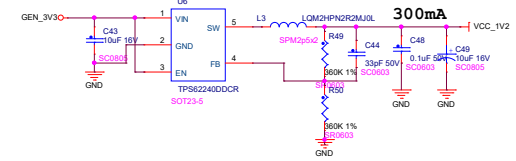
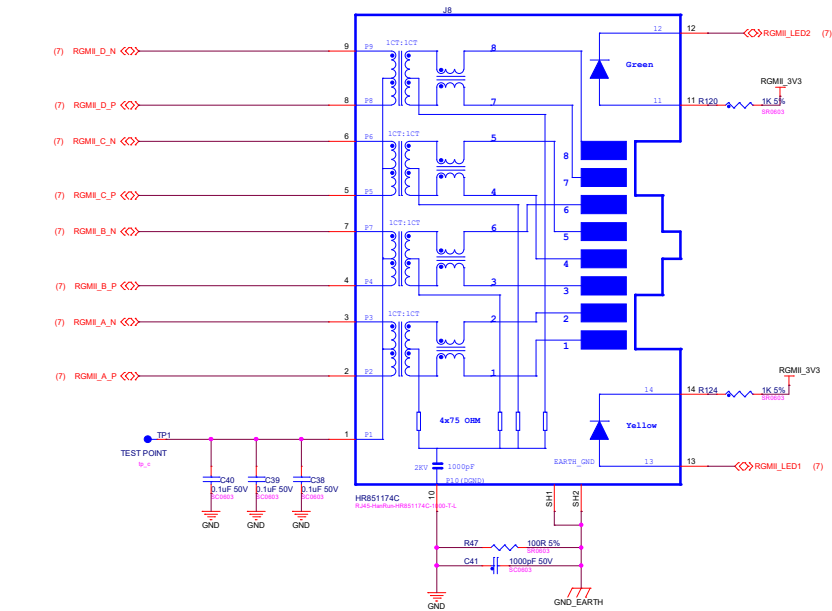
HUB



Device

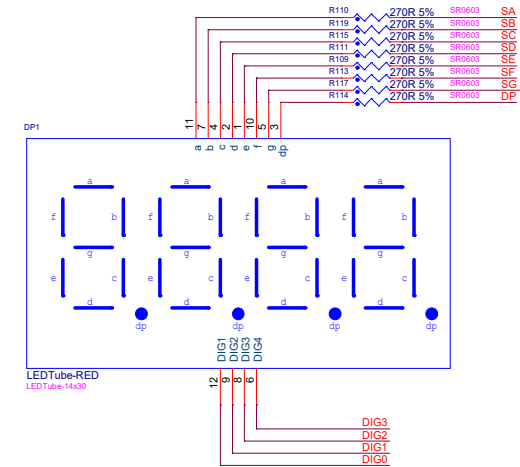
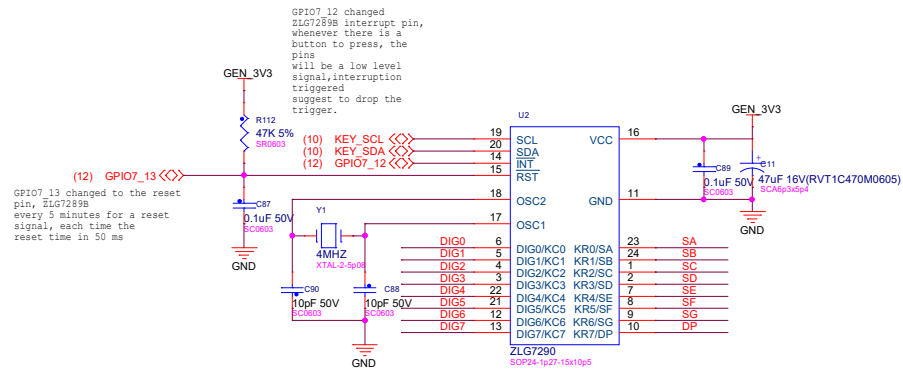


1V2

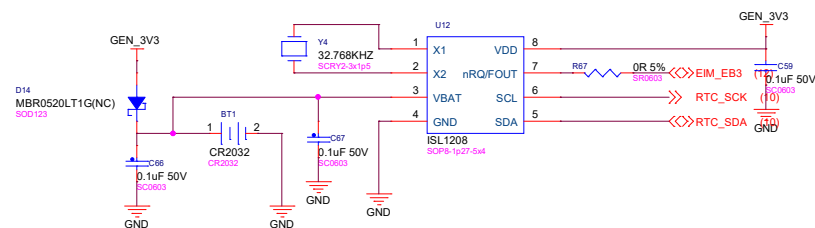


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KEY

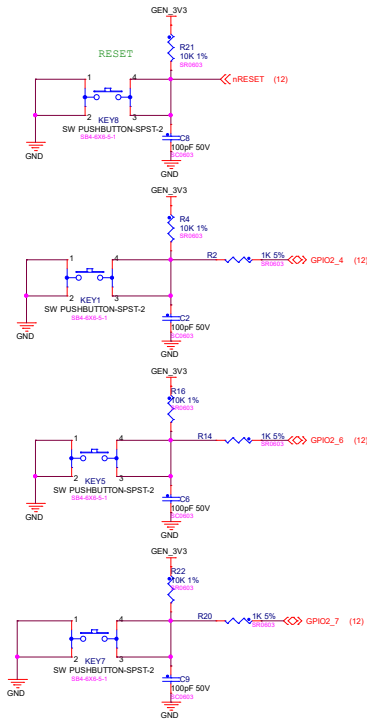


RTC

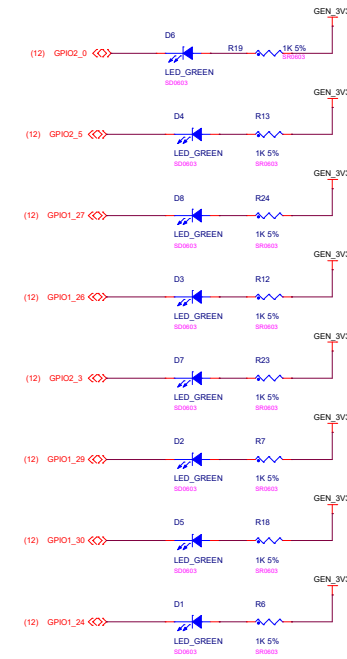


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B	RTC / KEY		
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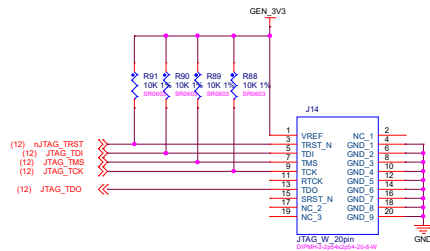
BUTTON



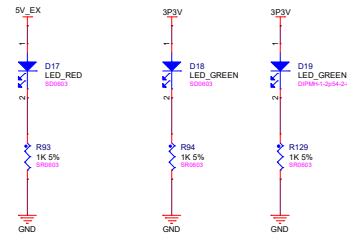
USER LIGHT



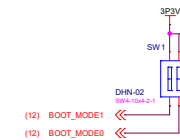
JTAG



POWER LIGHT



BOOT

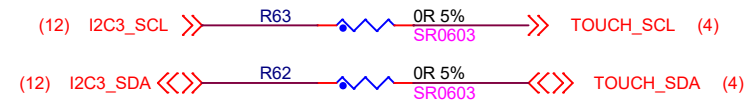


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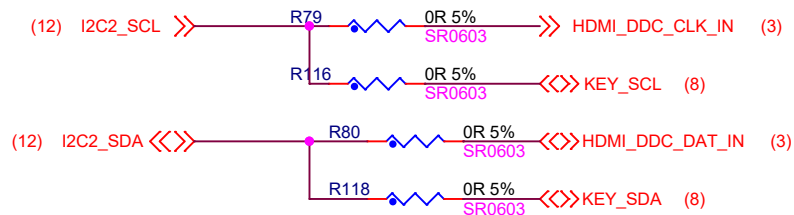
I2C1



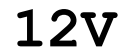
I2C3



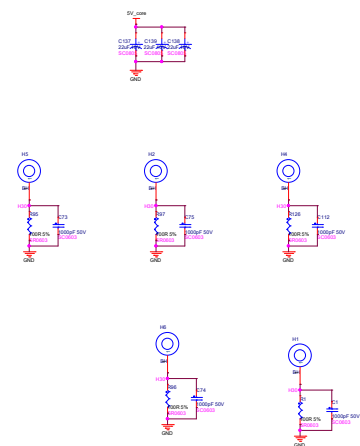
I2C2



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