

NanoPi M2A/M3

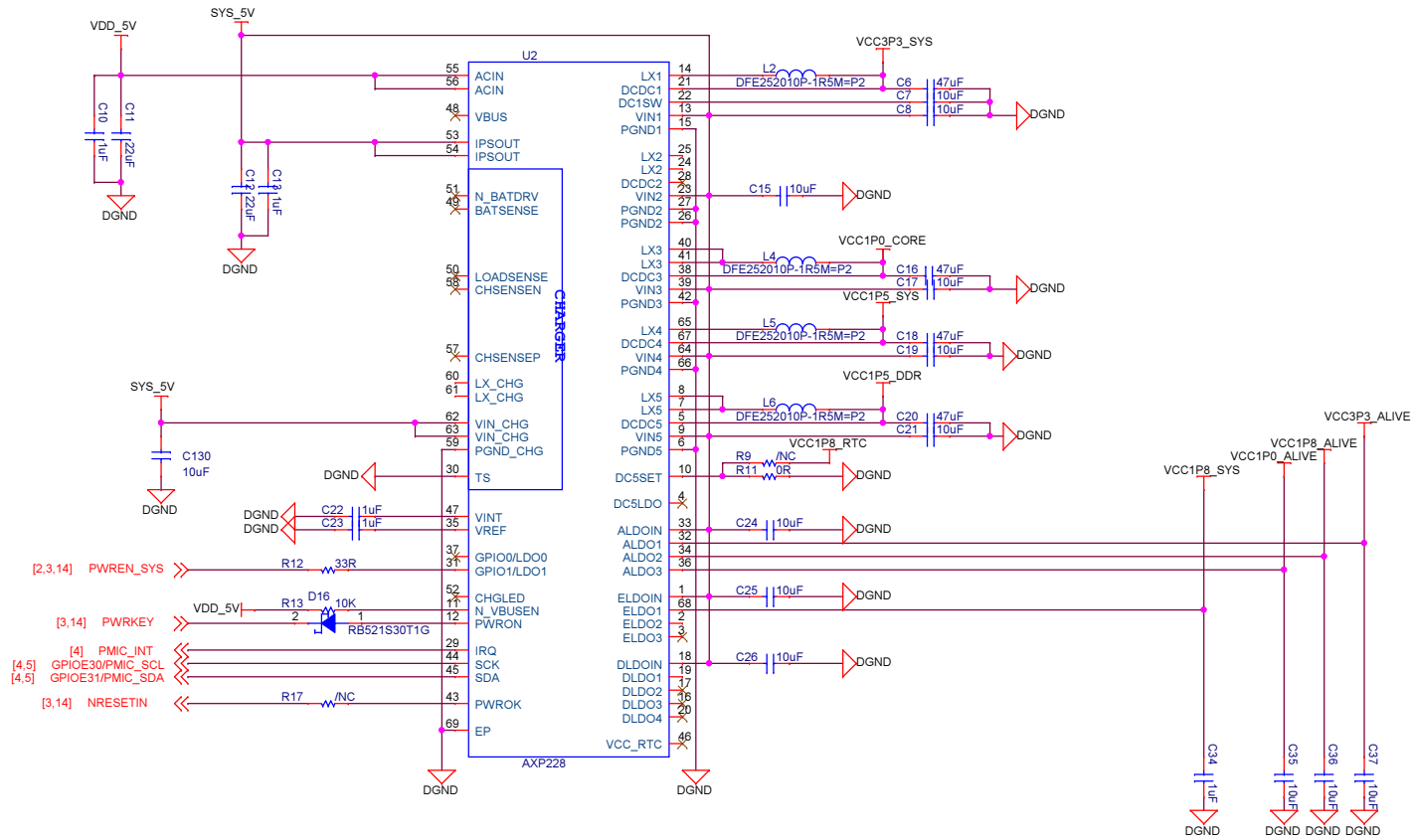
Revision

1604 , First Release

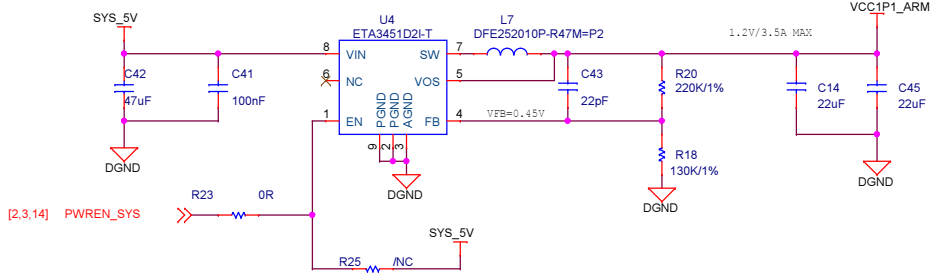
FRIENDLYARM

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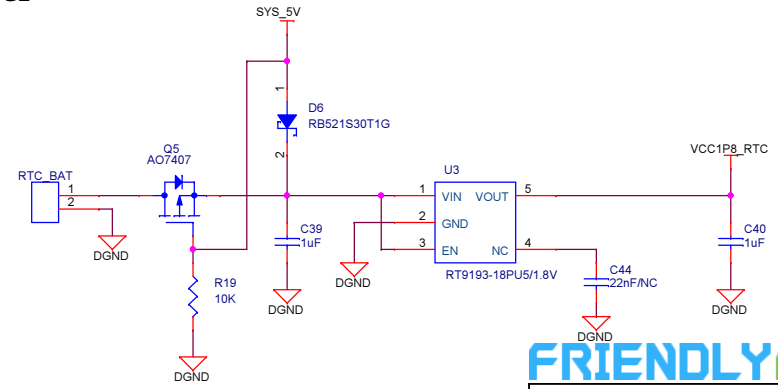
PMIC



VDD_ARM

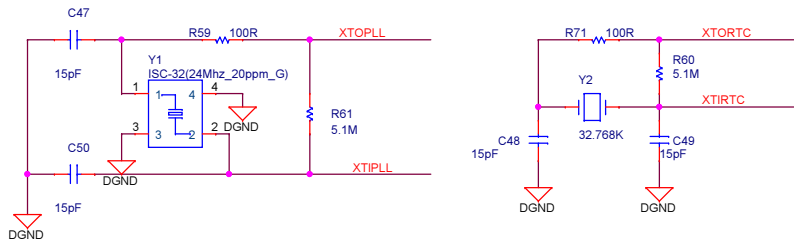
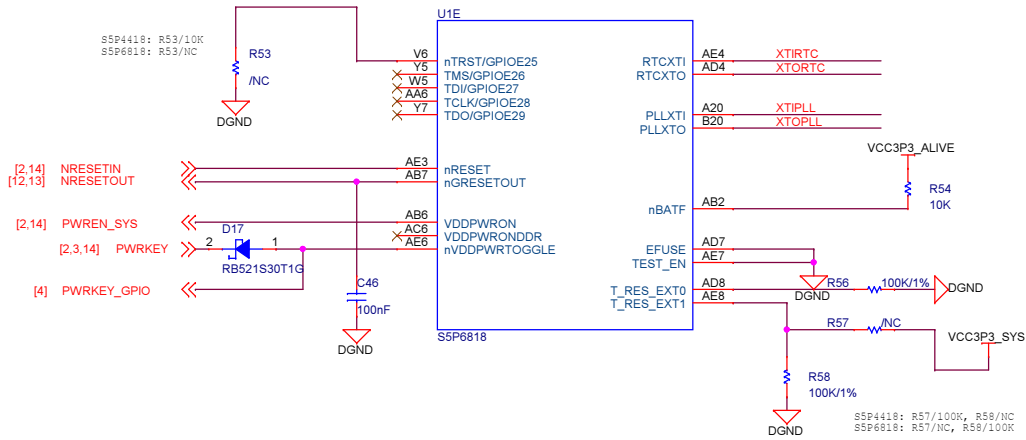


RTC Power

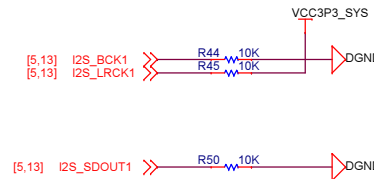
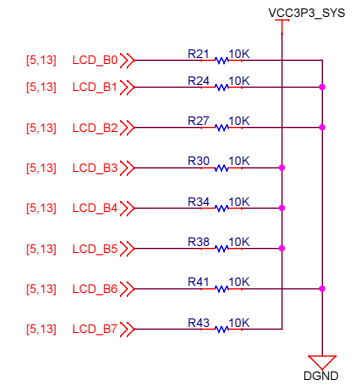


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System Reset, Clocks



Boot Mode Config



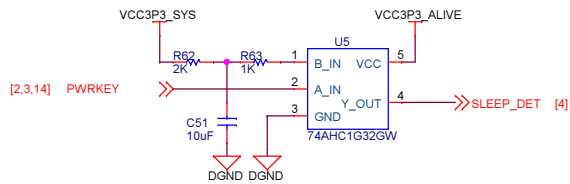
BOOT MODE OPTION

	eMMC	SPI	USB	NAND
SD0	HIGH	LOW	LOW	HIGH
SD1	LOW	LOW	HIGH	HIGH
SD2	HIGH	HIGH	HIGH	HIGH
SD4	LOW	HIGH		
SD5	LOW	LOW		

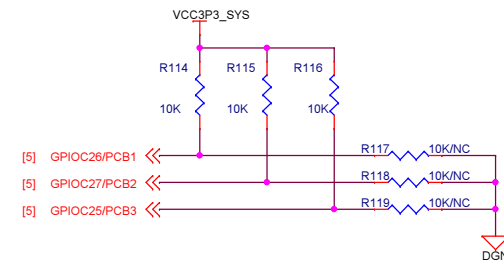
Boot media port select (SPI, eMMC)

	CH0	CH1	CH2
SD3	LOW	HIGH	LOW
CAM1_D3	LOW	LOW	HIGH

Sleep Detect



PCB Version

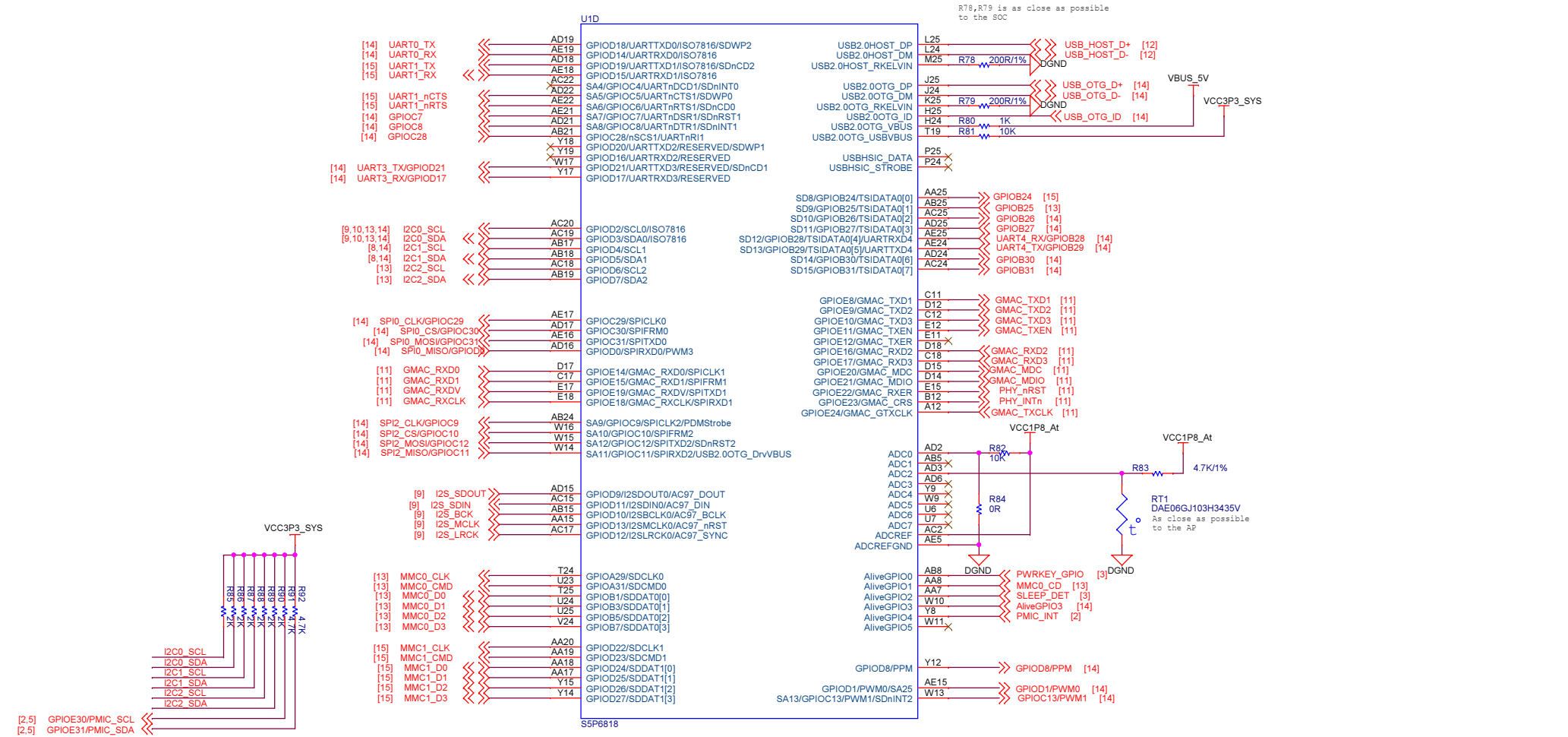


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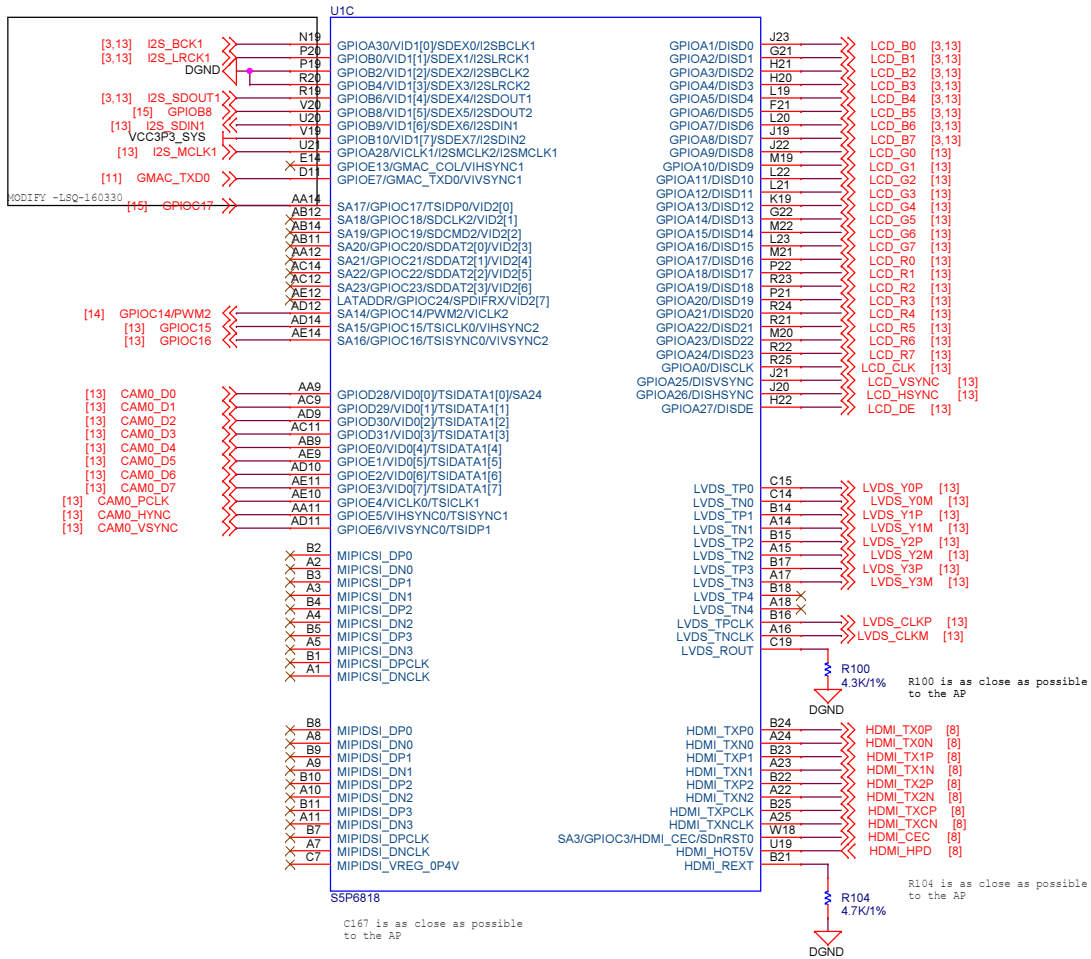
AP Peripherals



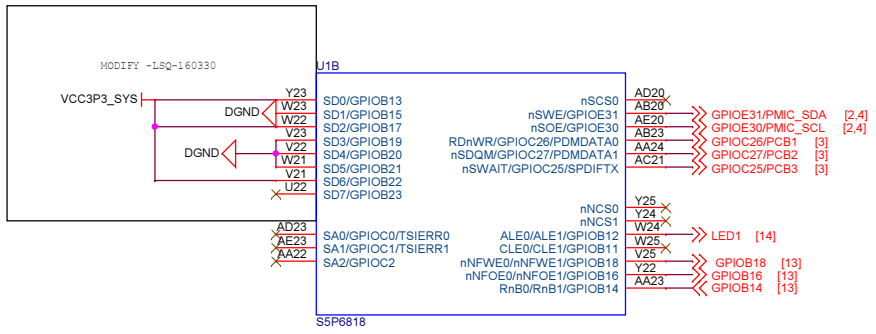
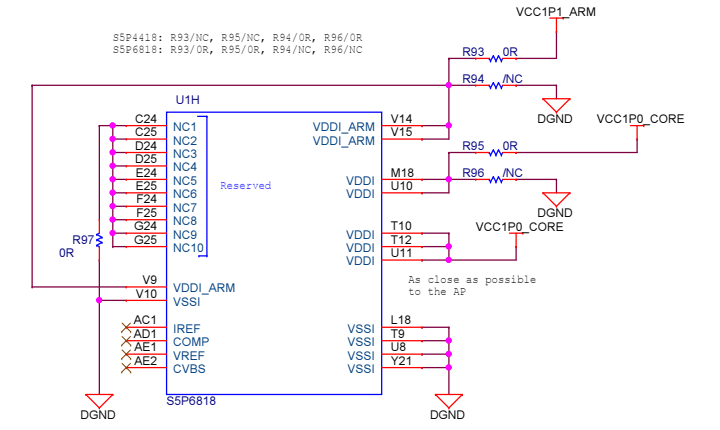
I2C CH0 : Camera
 I2C CH1 : HDMI EDID
 I2C CH2 : Touch
 PMIC_I2C : PMIC



AP VIP&Display

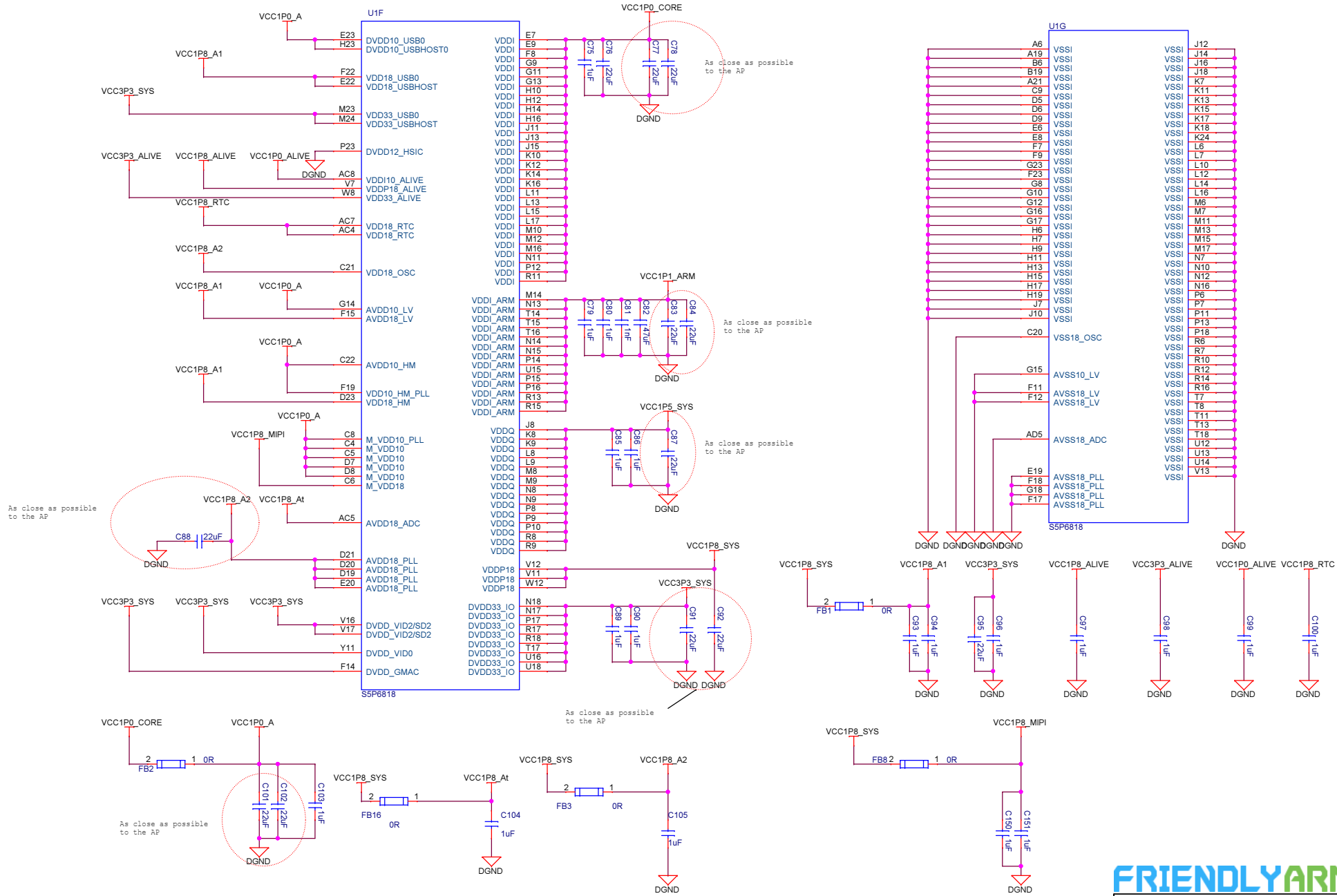


Reserved Function

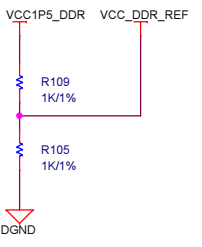
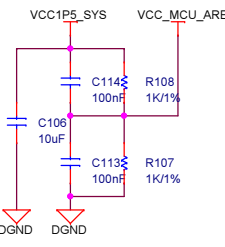
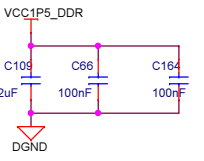
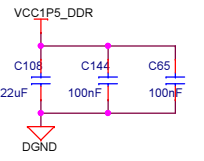
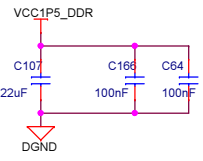
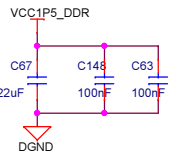
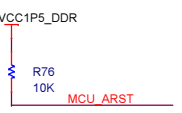
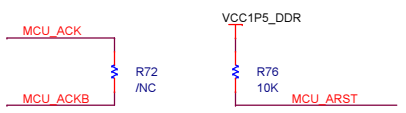
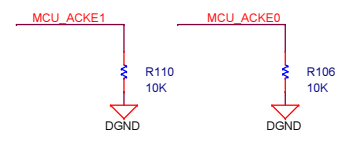
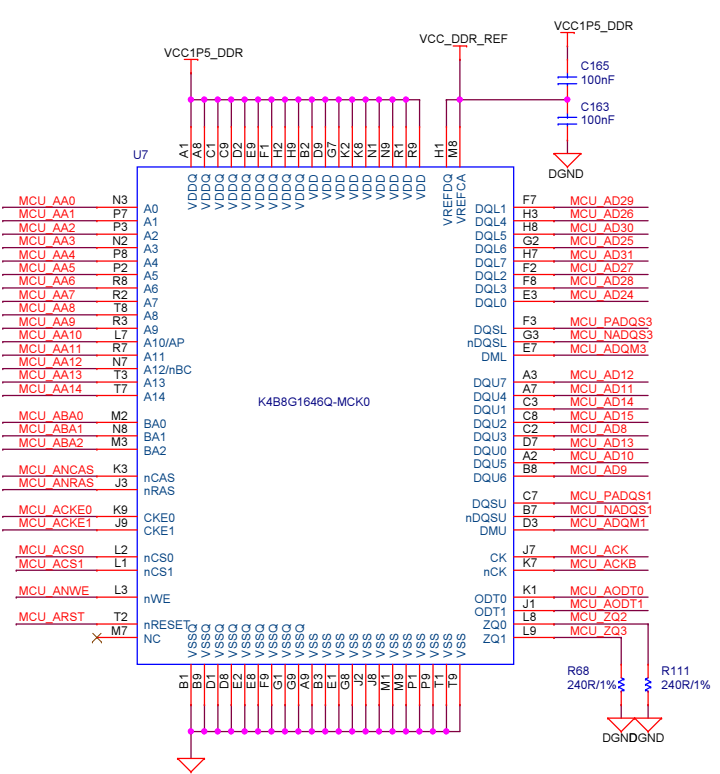
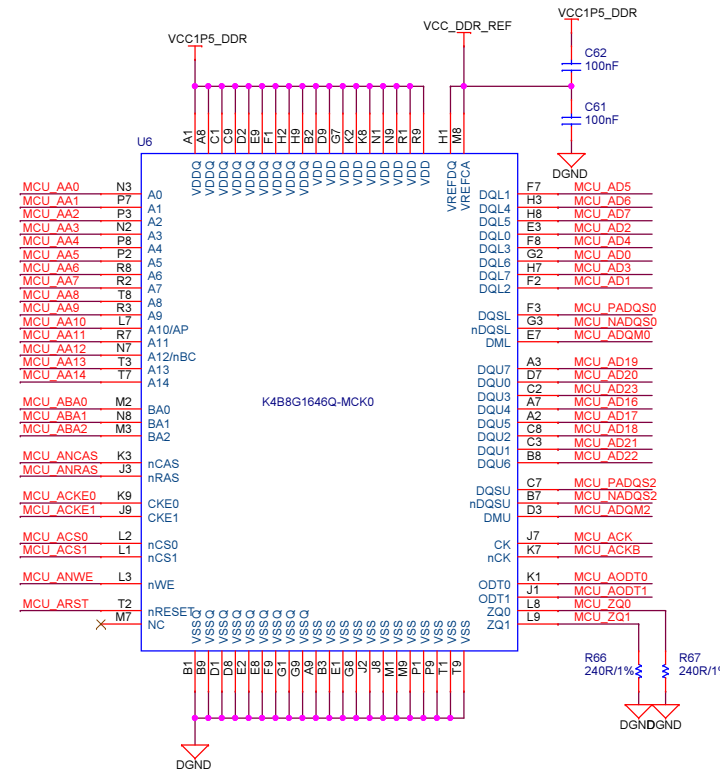
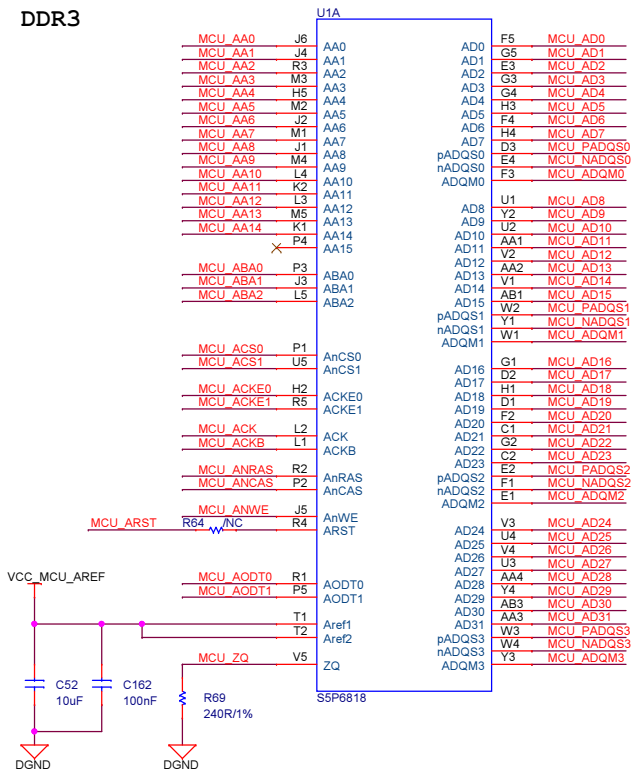


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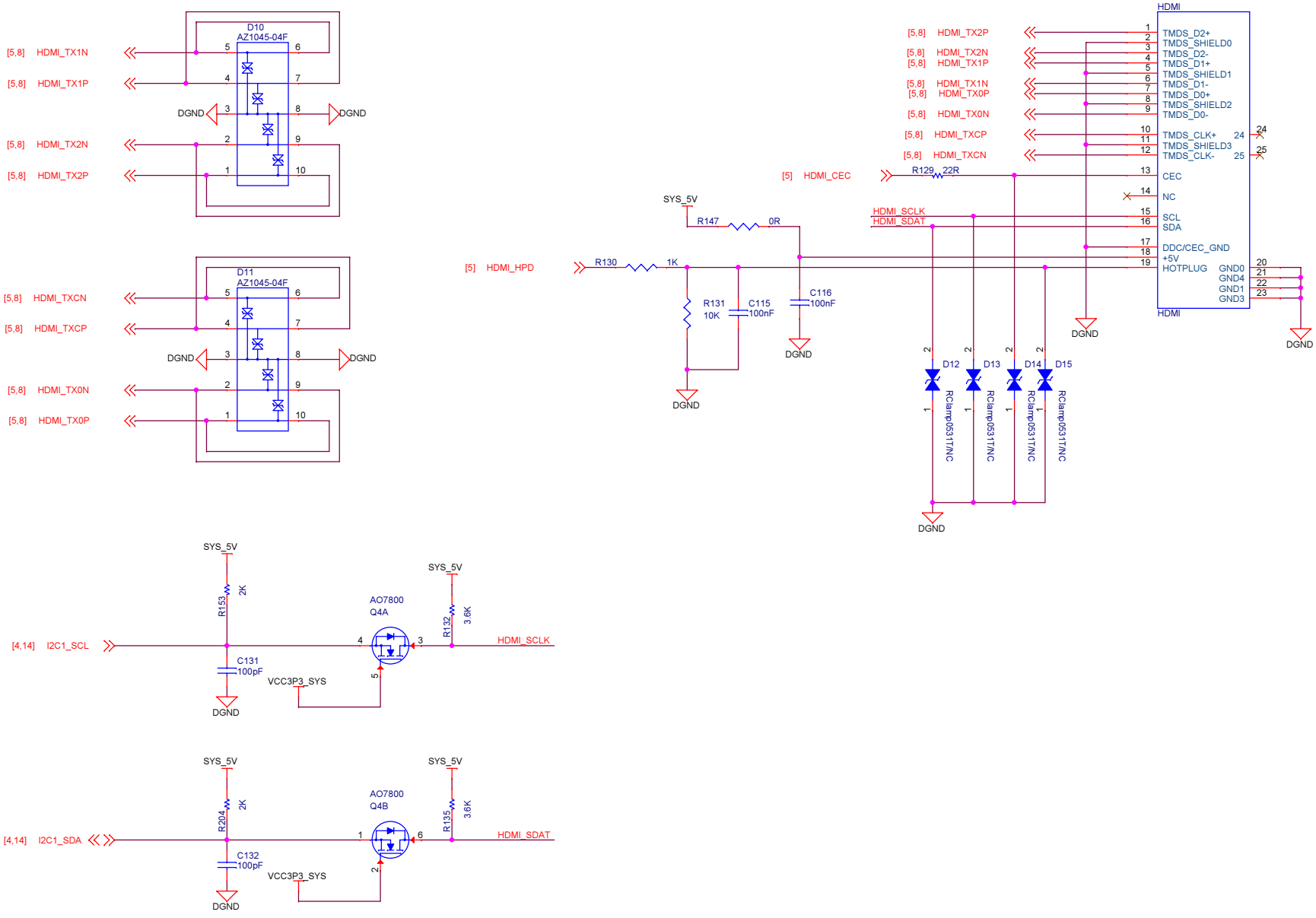
AP Power



DDR3

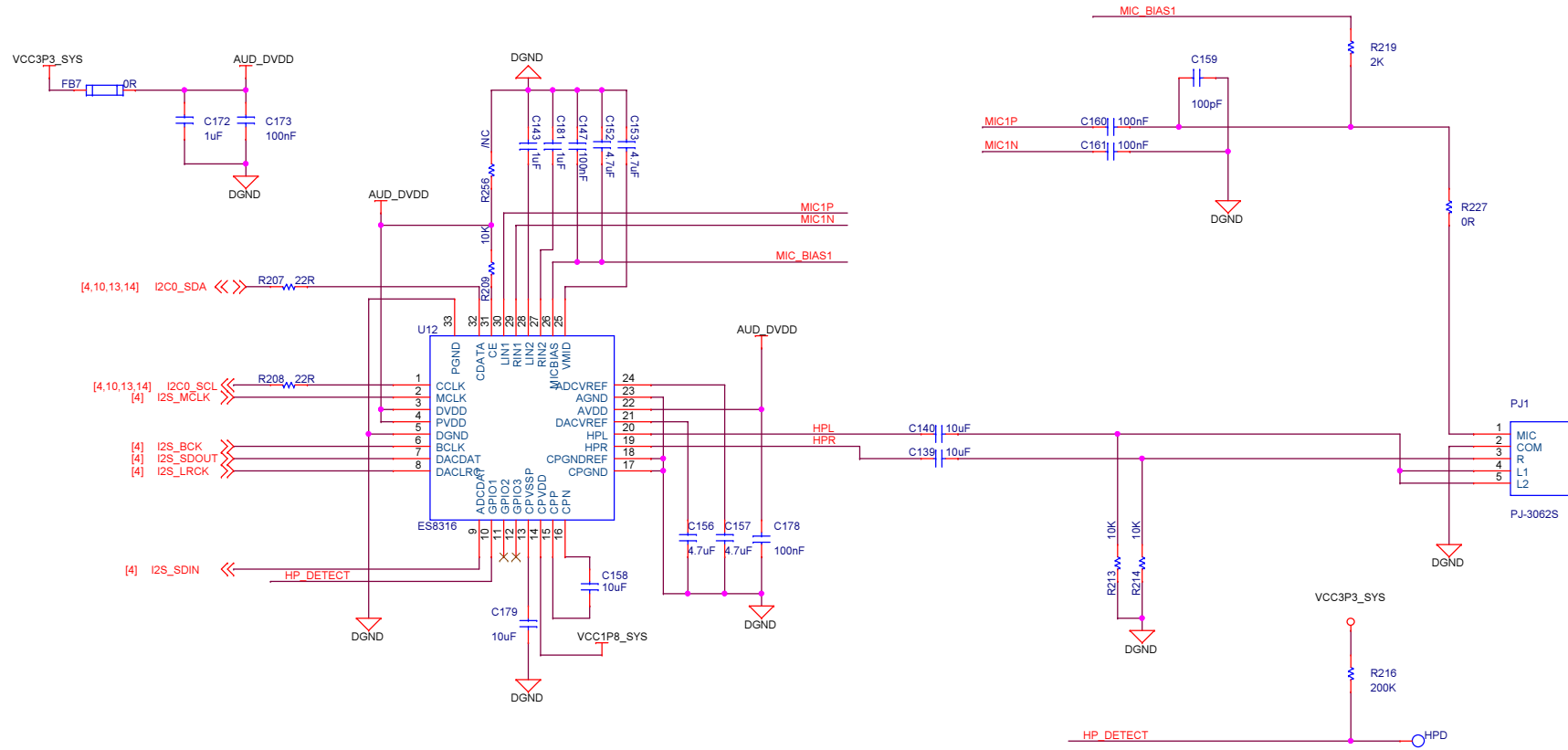


HDMI



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A3	09.HDMI	1604
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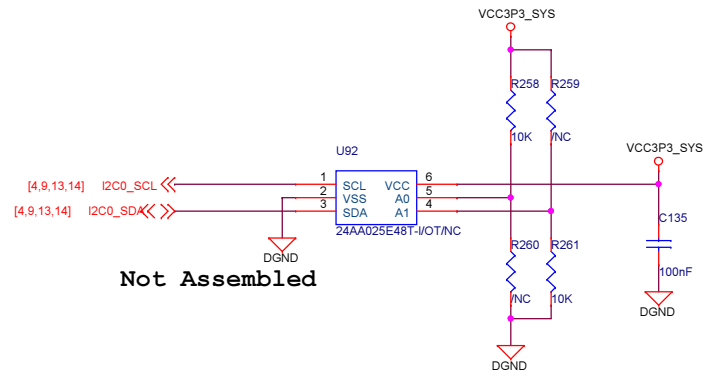
Audio



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A3	12.Audio	1604
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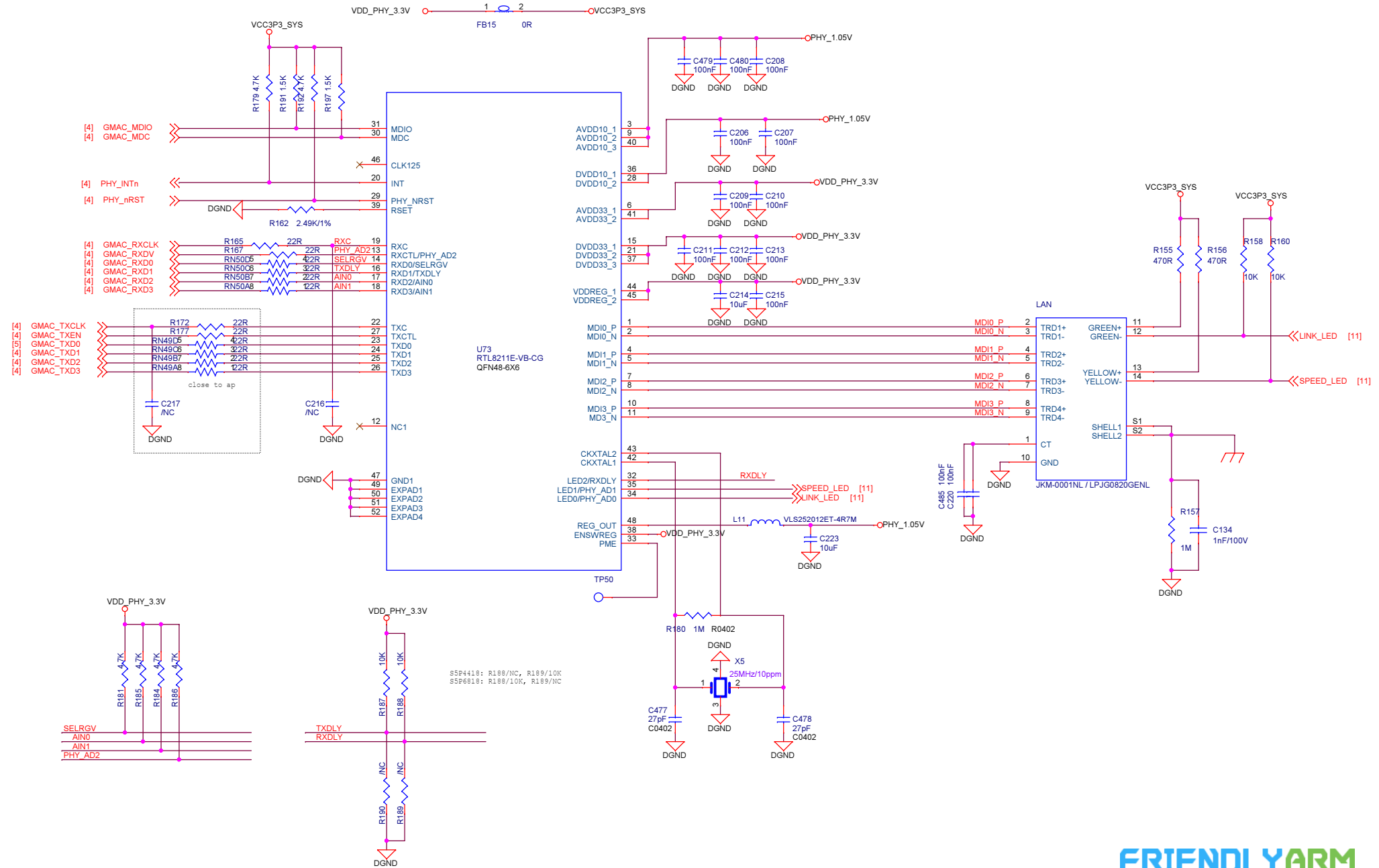
EEPROM with MAC Address



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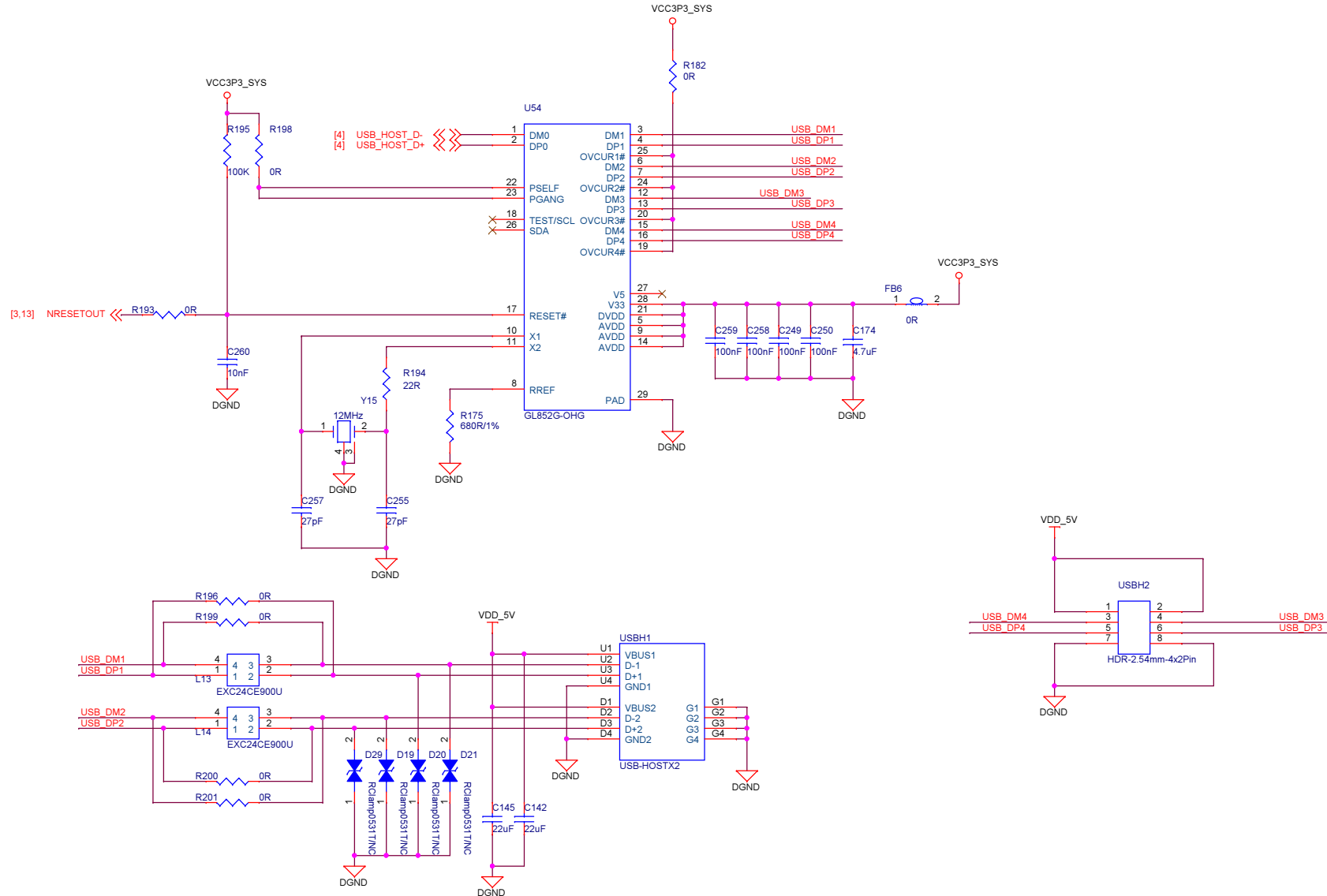
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10/100/1000M Ethernet



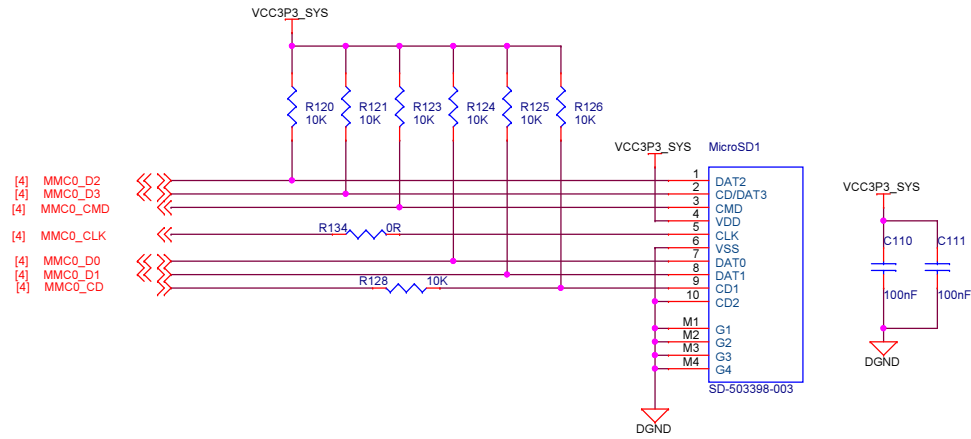
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USB 2.0 Host

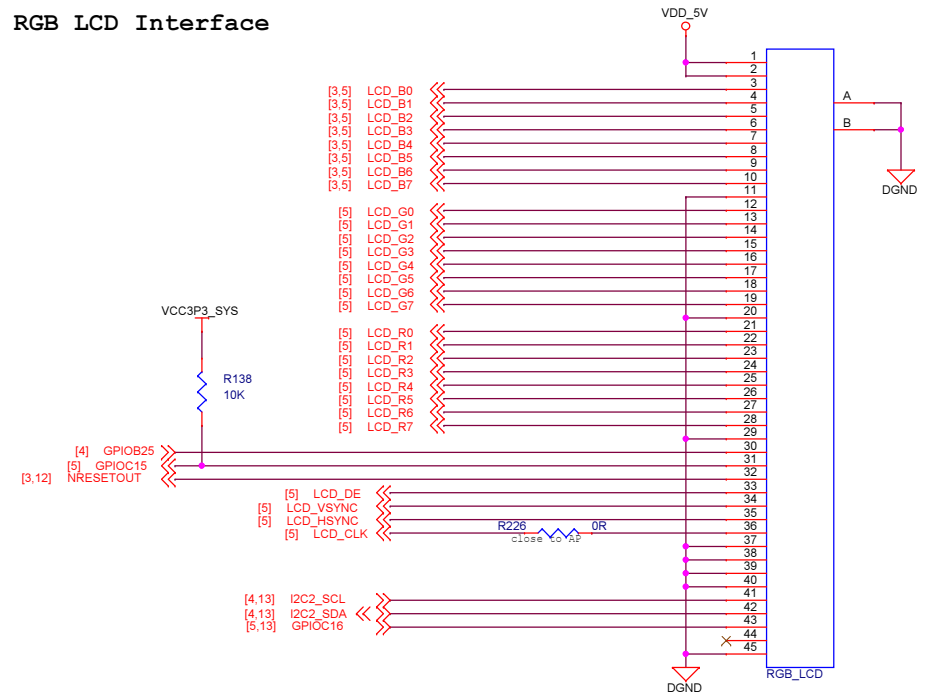


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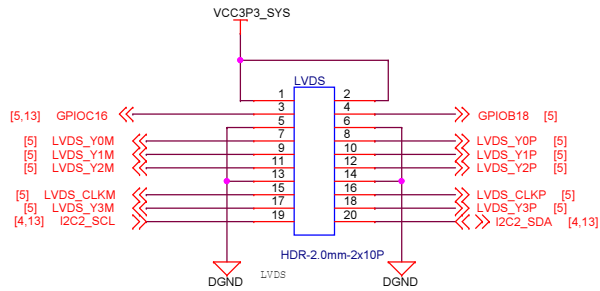
SDCARD



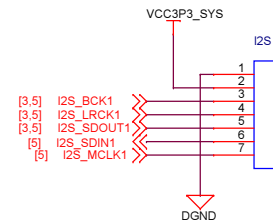
RGB LCD Interface



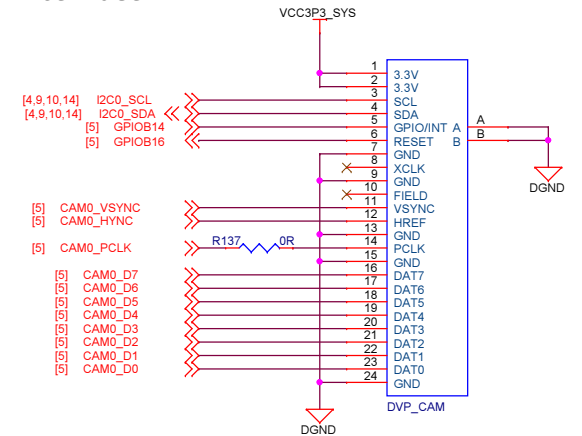
LVDS



I2S Interface

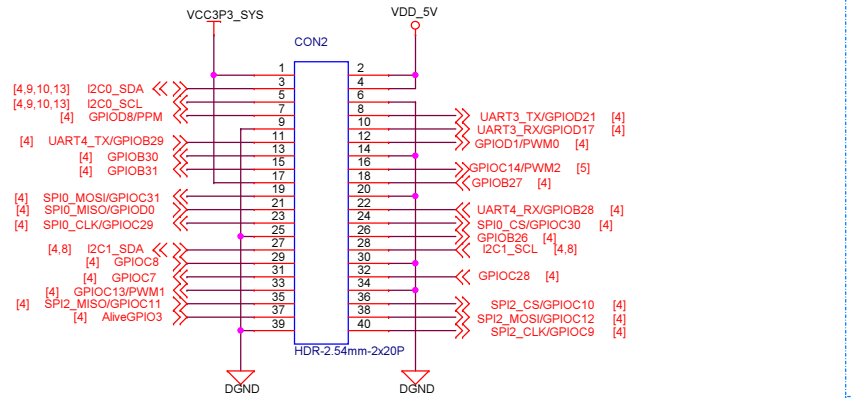


Camera Interface

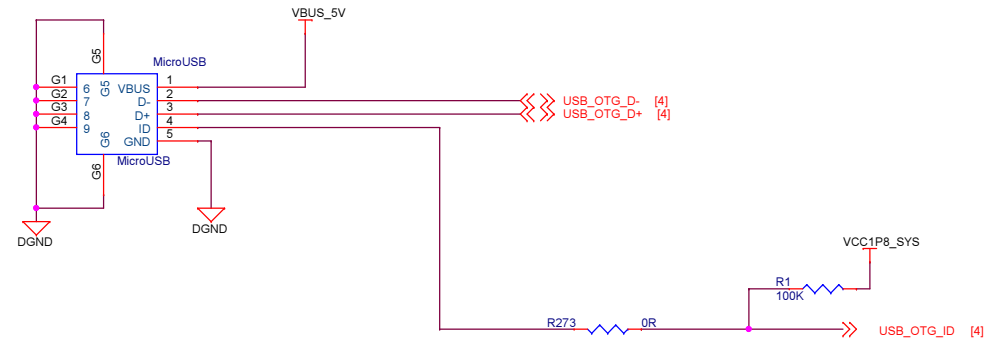


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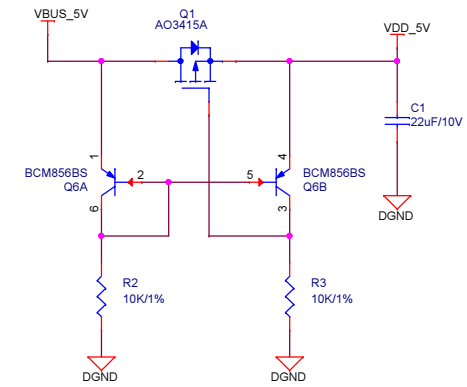
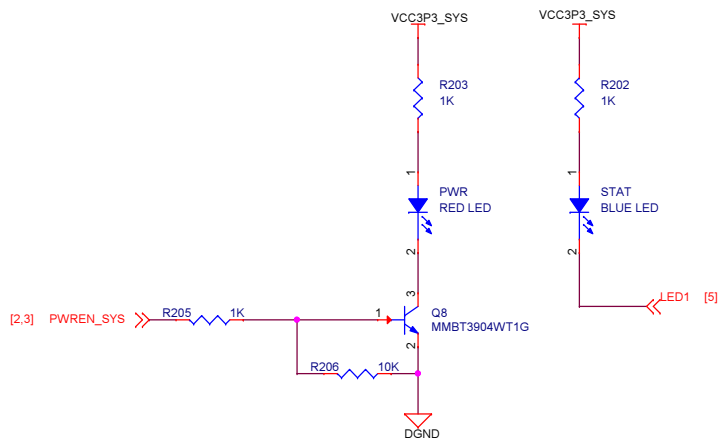
2.54mm Header



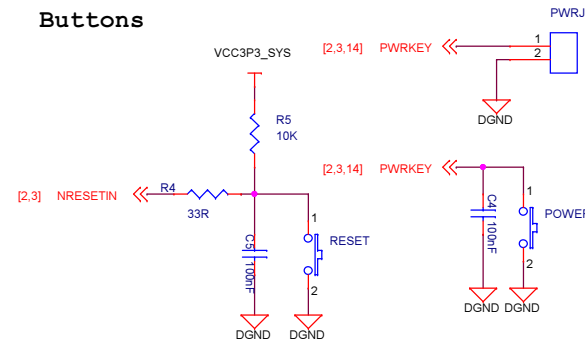
MicroUSB



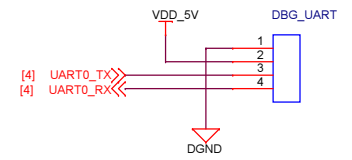
LEDs



Buttons



Debug UART



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Wi-Fi/Bluetooth

