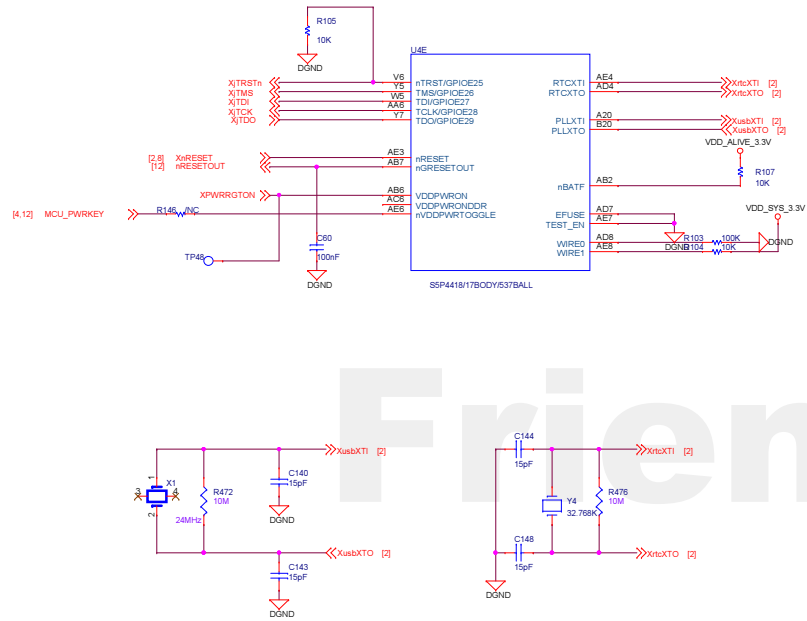


NanoPi 2
1507

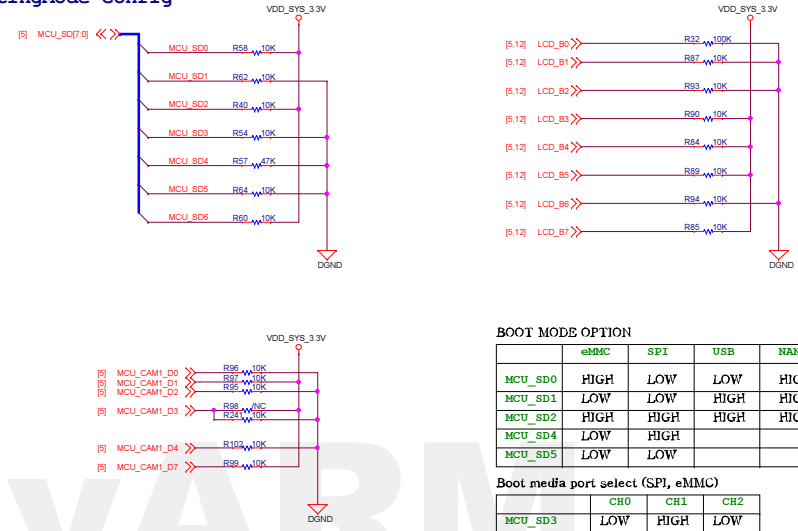
FriendlyARM

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|----------|---------------------------|---------------|
| Title | | |
| NanoPi 2 | | |
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| A2 | <Doc> | <Rev/Code> |
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JTAG, Power Control, Clock Pins



BootingMode Config



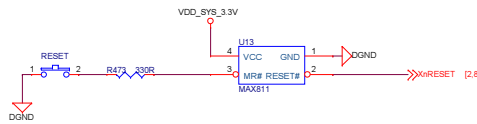
BOOT MODE OPTION

| | eMMC | SPI | USB | NAND |
|---------|------|------|------|------|
| MCU_SD0 | HIGH | LOW | LOW | HIGH |
| MCU_SD1 | LOW | LOW | HIGH | HIGH |
| MCU_SD2 | HIGH | HIGH | HIGH | HIGH |
| MCU_SD4 | LOW | HIGH | HIGH | |
| MCU_SD5 | LOW | LOW | | |

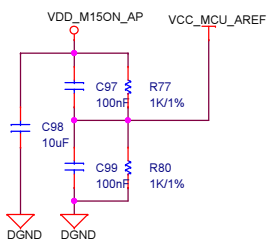
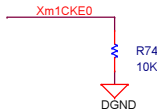
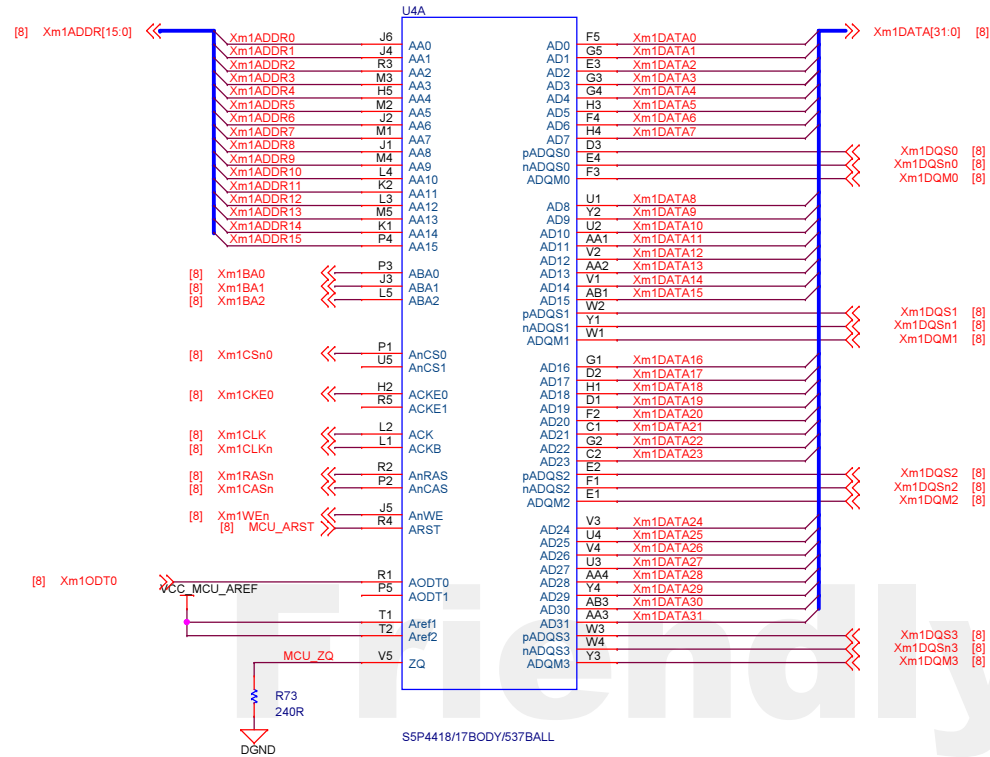
Boot media port select (SPI, eMMC)

| | CH0 | CH1 | CH2 |
|-------------|-----|------|------|
| MCU_SD3 | LOW | HIGH | LOW |
| MCU_CAM1_D3 | LOW | LOW | HIGH |

Reset

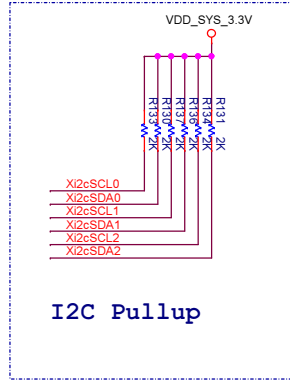


S5P4418 - DDR3

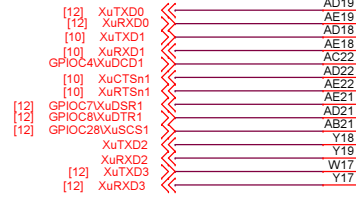


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| Title | | |
| NanoPi 2 | | |
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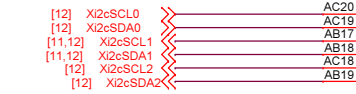
S5P4418 - GPIO



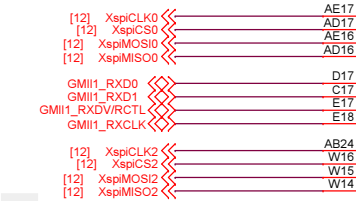
UART



I2C



SPI/GMAC



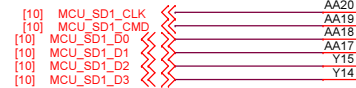
AC97/IIS



SD0/Boot



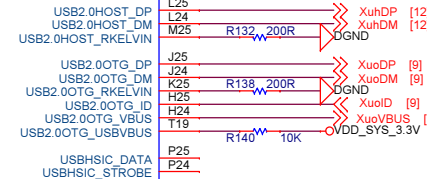
SD1



UAD



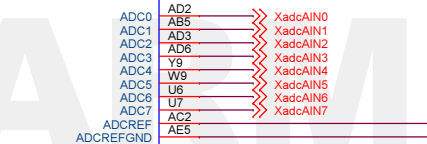
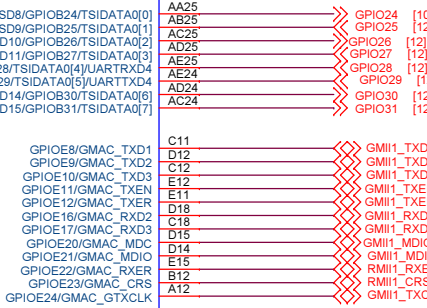
R132, R138 is as close as possible to the MCU



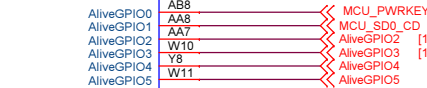
USB

SD\MPEG_TS\GPIO

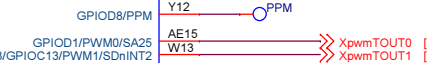
GMAC



ALIVE GPIO



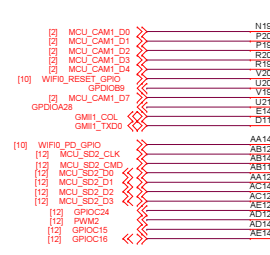
PWM



S5P4418/17BODY/537BALL

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| NanoPi 2 | | |
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CAMERA
IIS1, IIS2



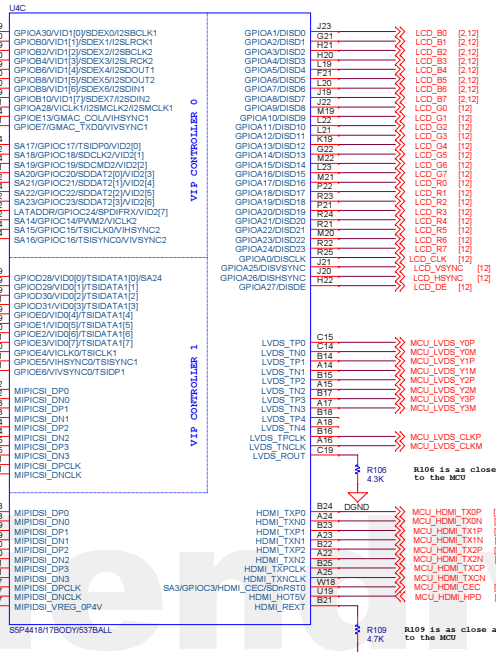
CAMERA\TSI



MIPI SLAVE



MIPI HOST

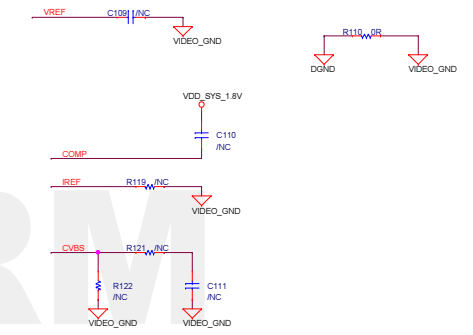
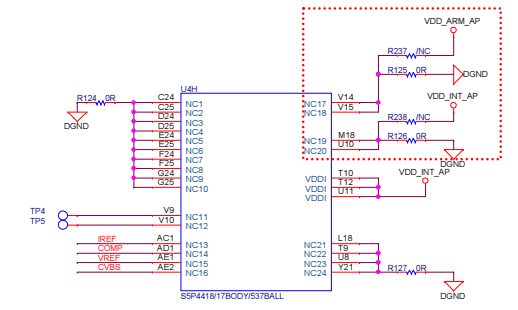


RGB LCD

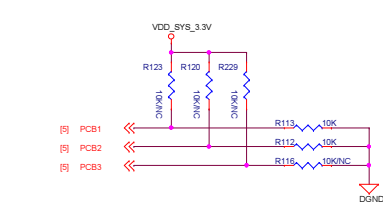
LVDS

HDMI

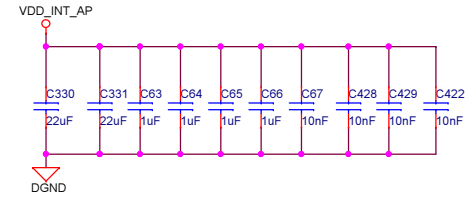
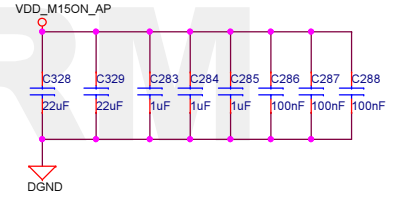
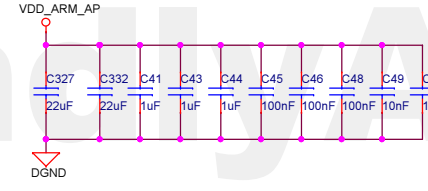
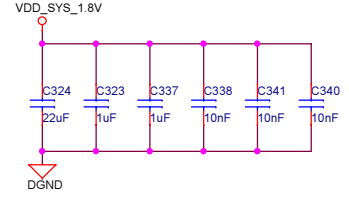
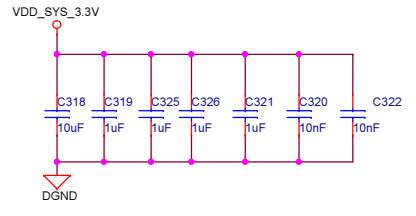
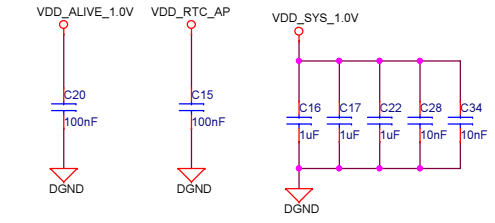
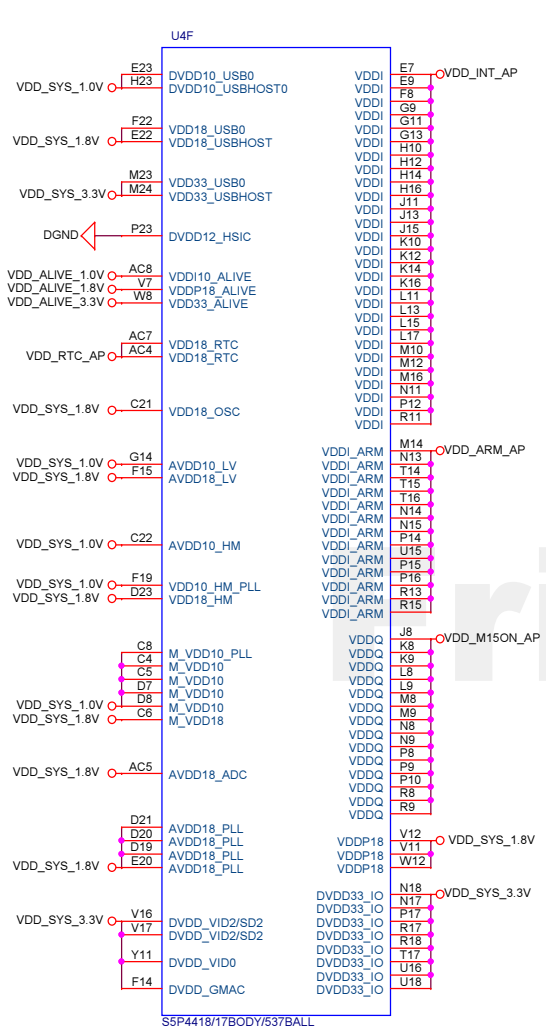
Reserved Function
CVBS



PCB Version

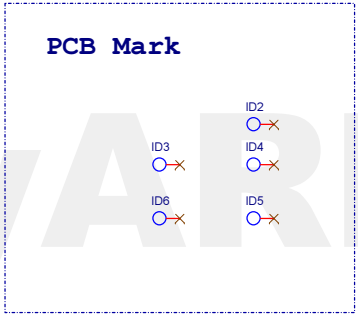
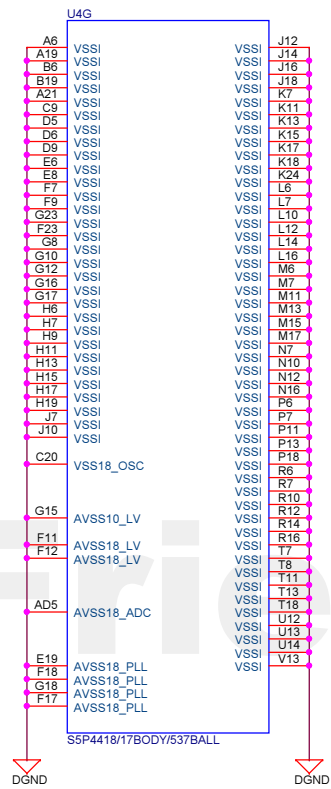


S5P4418-Power

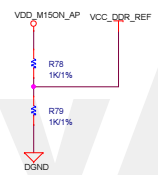
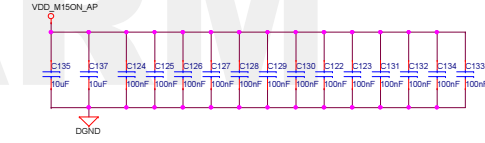
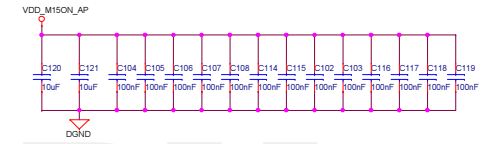
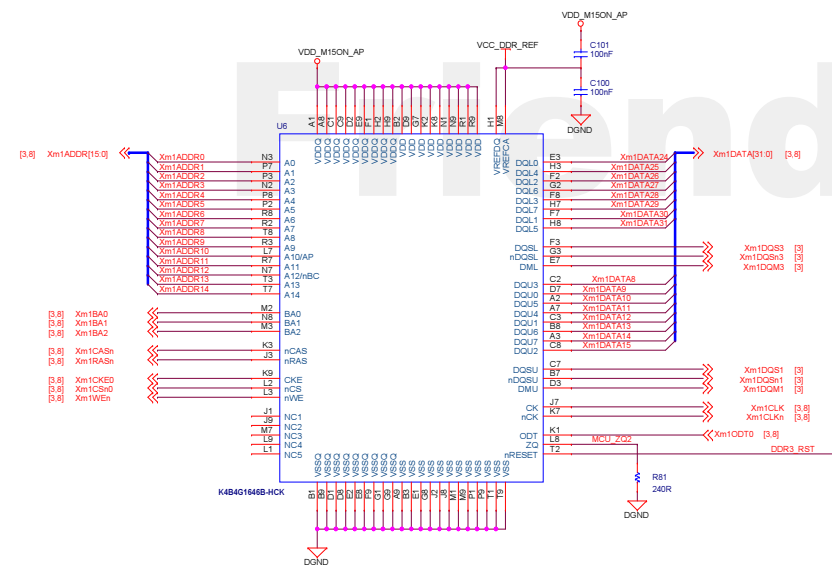
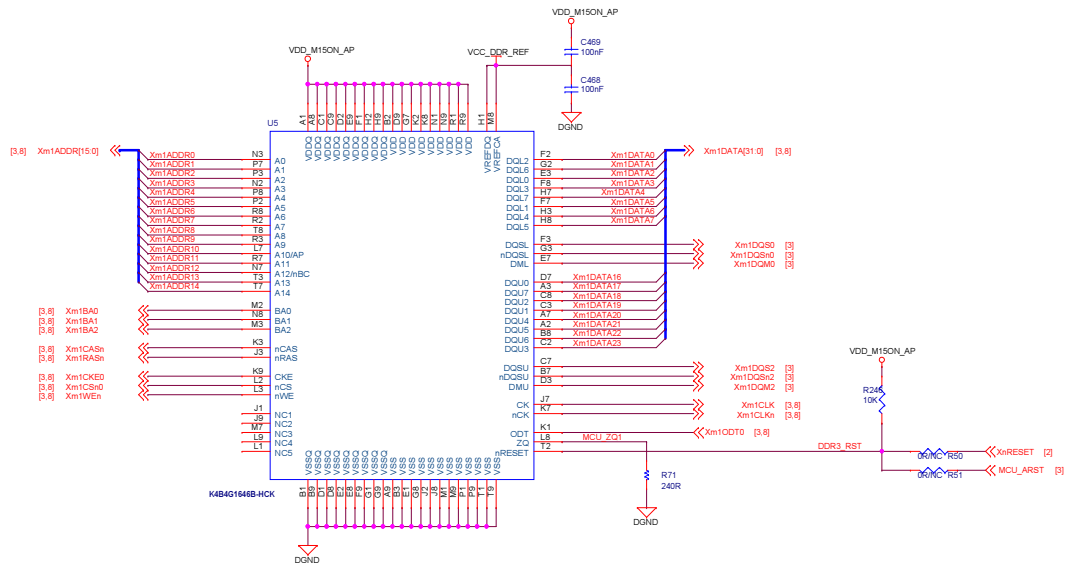


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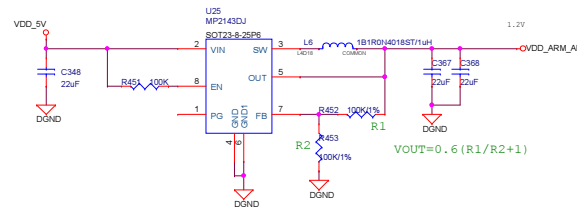
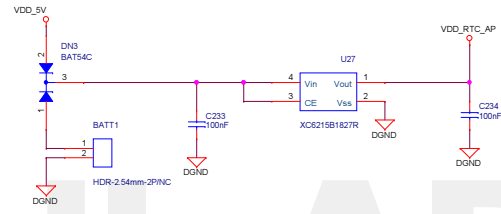
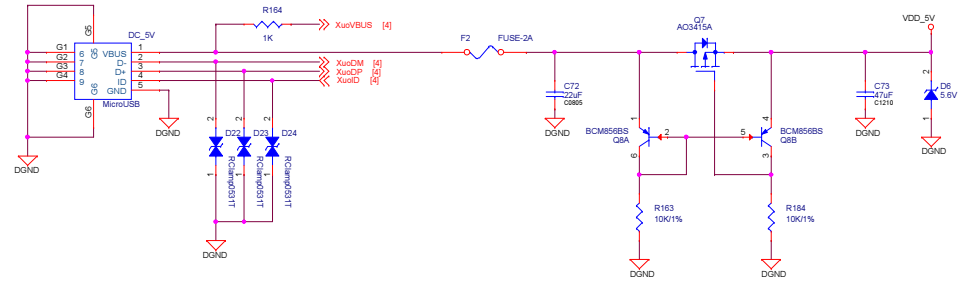
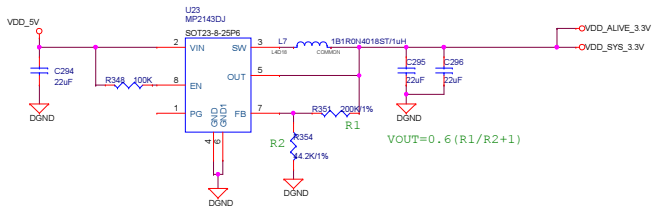
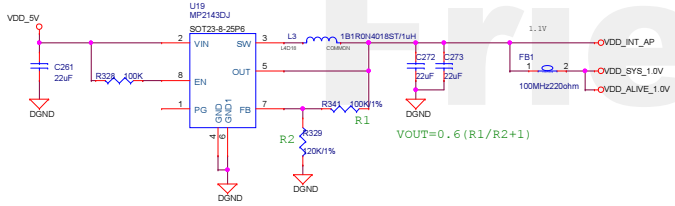
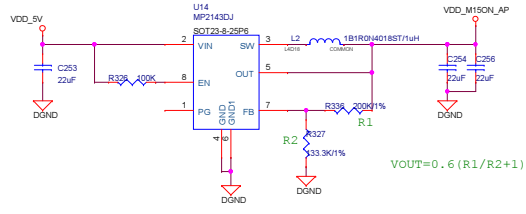
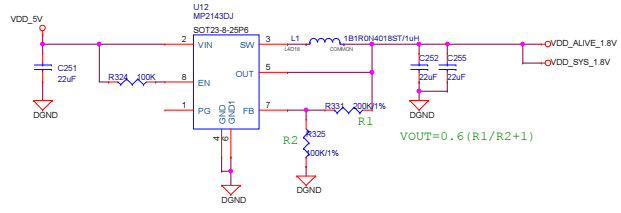
S5P4418-VSS

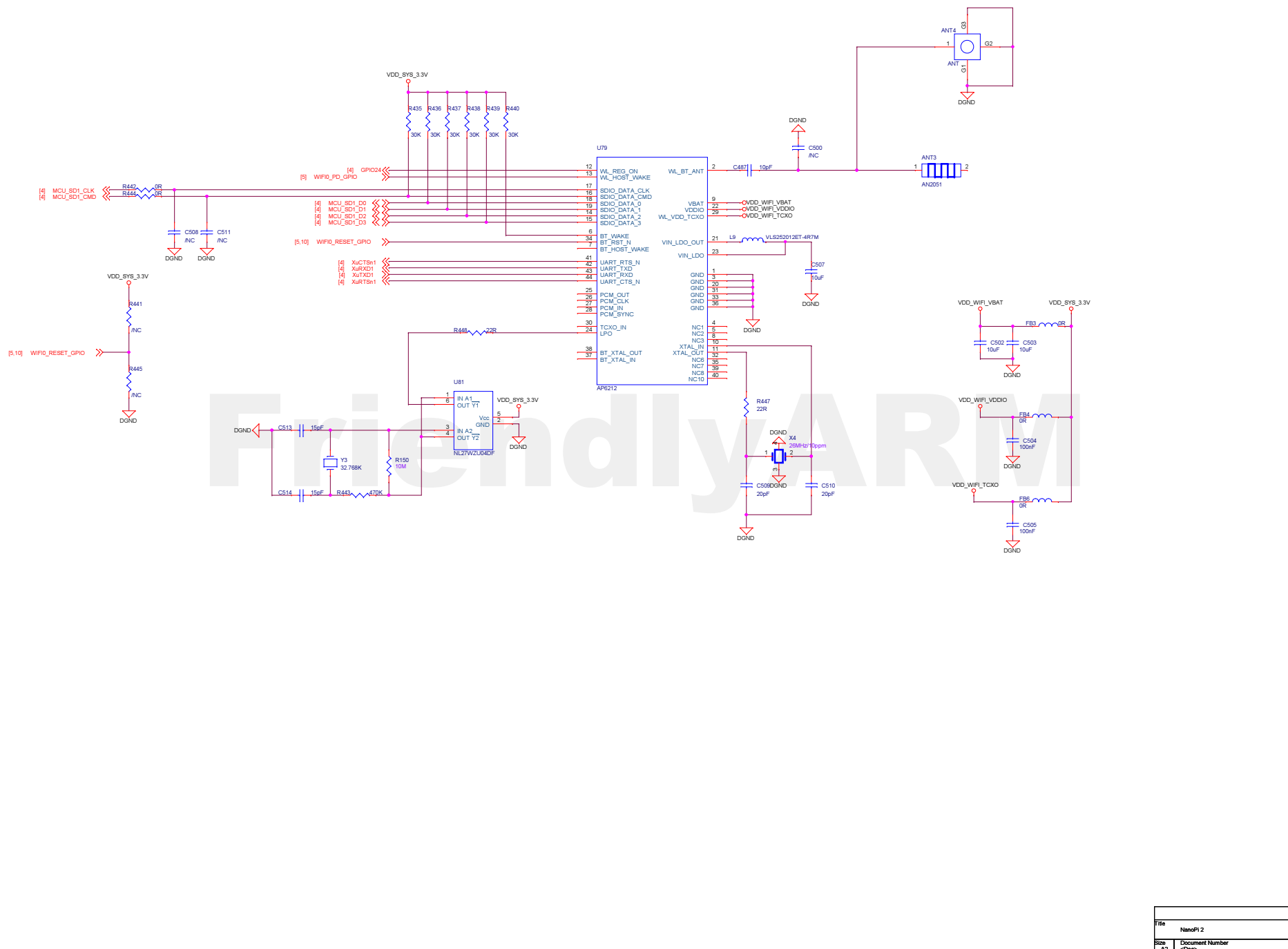


Memory-DDR3

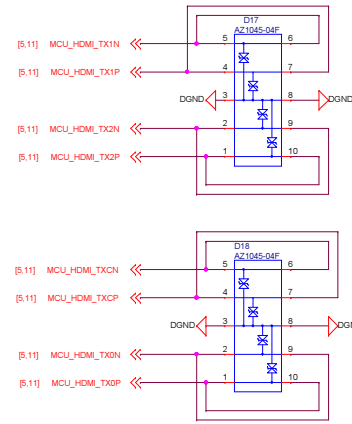
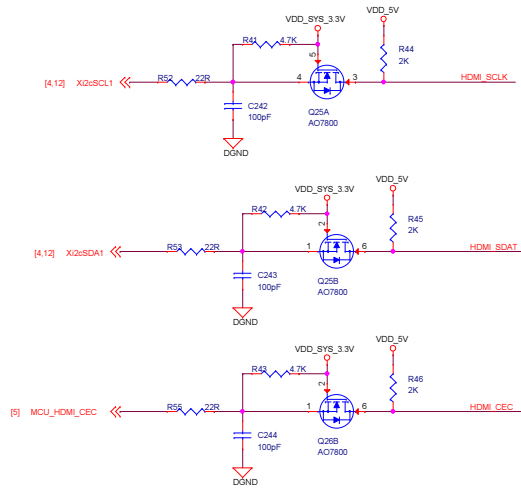


System Power

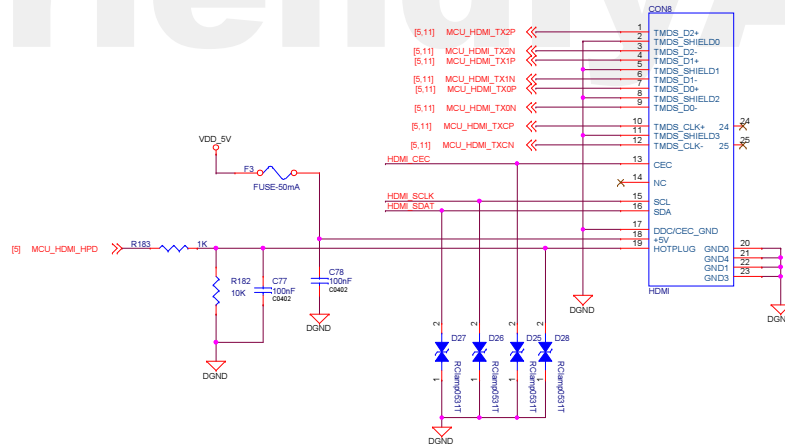




HDMI

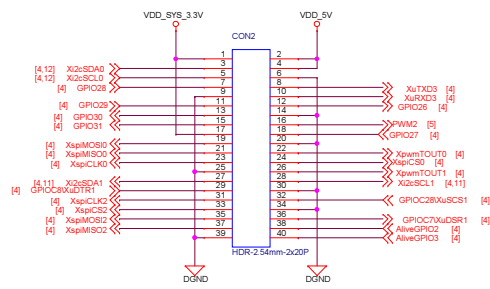


FriendlyARM

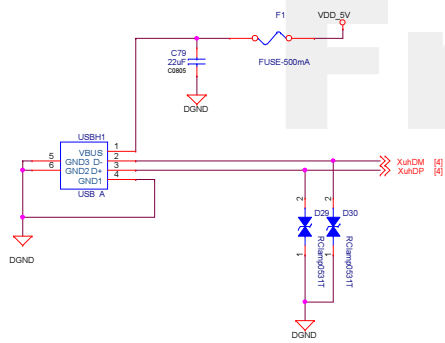


Board Connectors

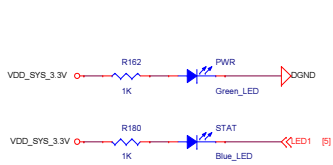
2x20 Pins 2.54mm Pitch Header



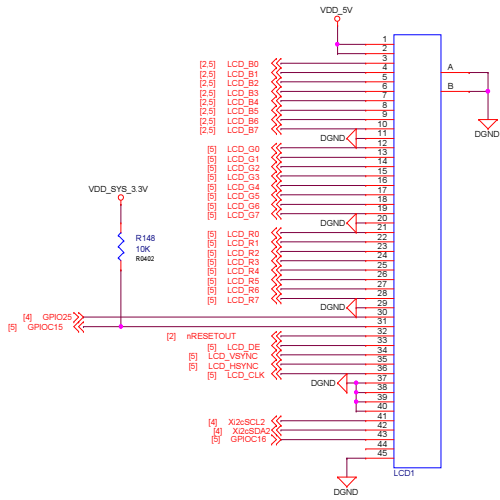
USB 2.0 Host, Type-A



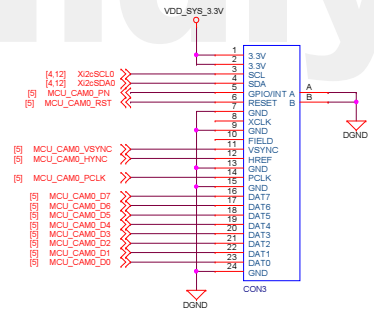
Power LED, User LED



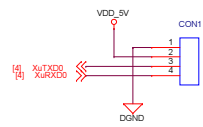
RGB LCD Interface, 0.5mm Pitch FPC



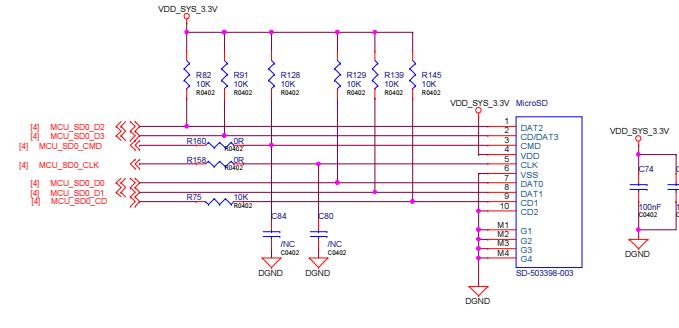
DVP Camera Interface, 0.5mm Pitch FPC



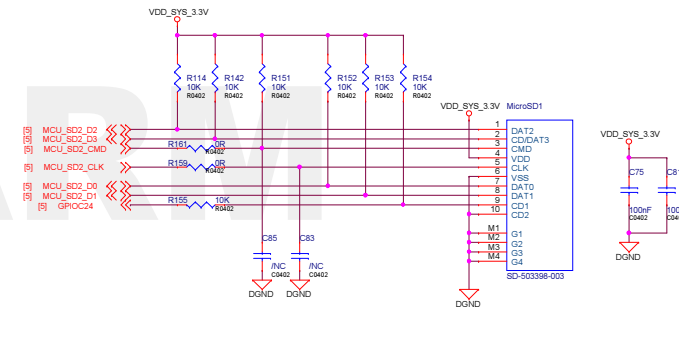
Debug UART



MicroSD Slot A, Bootable



MicroSD Slot B



User Button

