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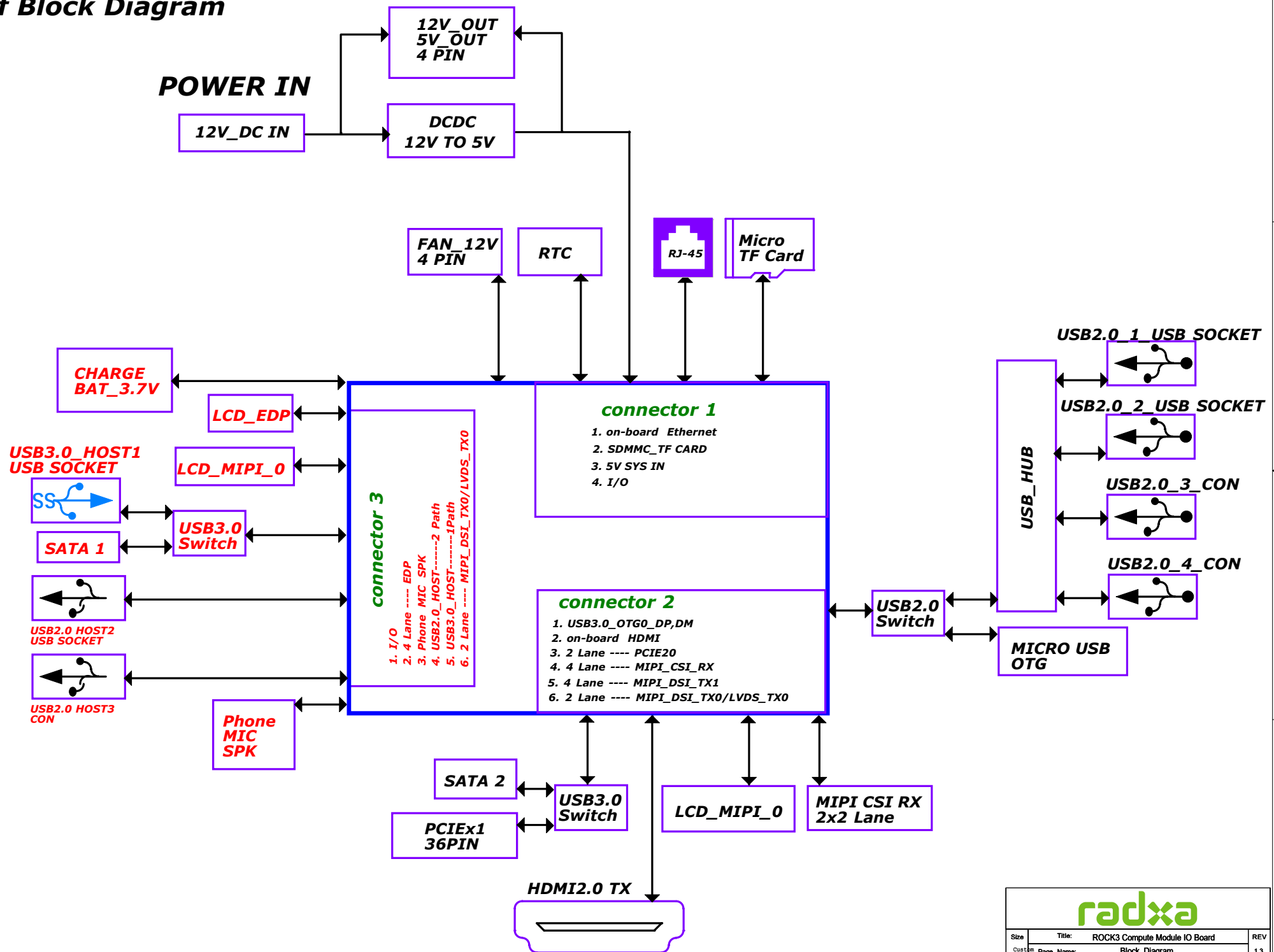


Revision History

| Version | Date | By | Change Dscription | Approved |
|----------------|-------------|-----------|--------------------------|-----------------|
| V1.0 | 2021-10 | | | |
| V1.1 | 2021-12 | | | |
| V1.3 | 2022-09 | | | |
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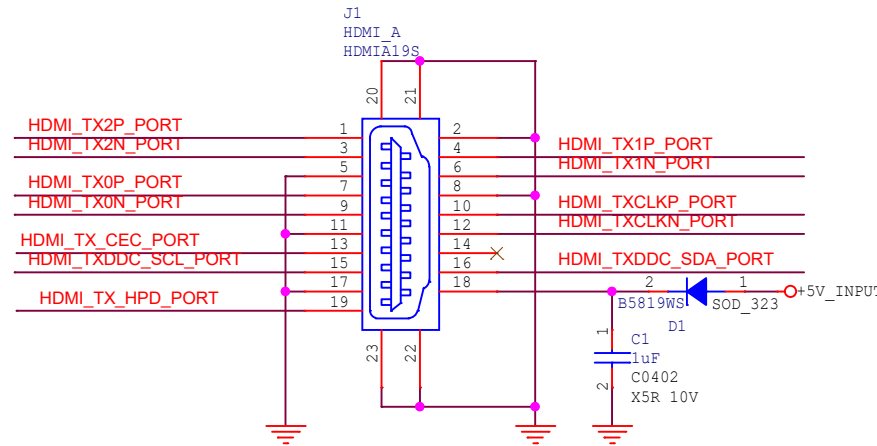
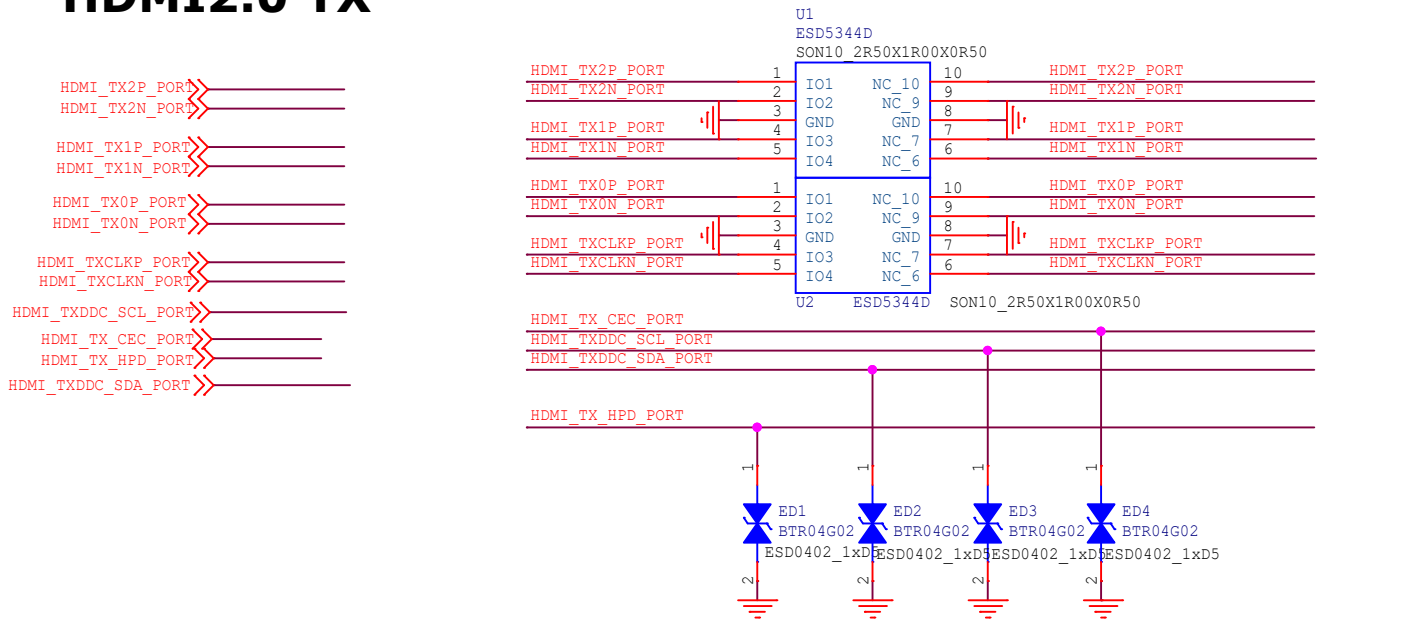


Ref Block Diagram

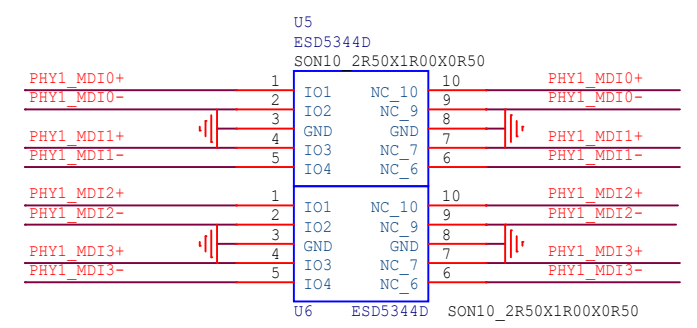
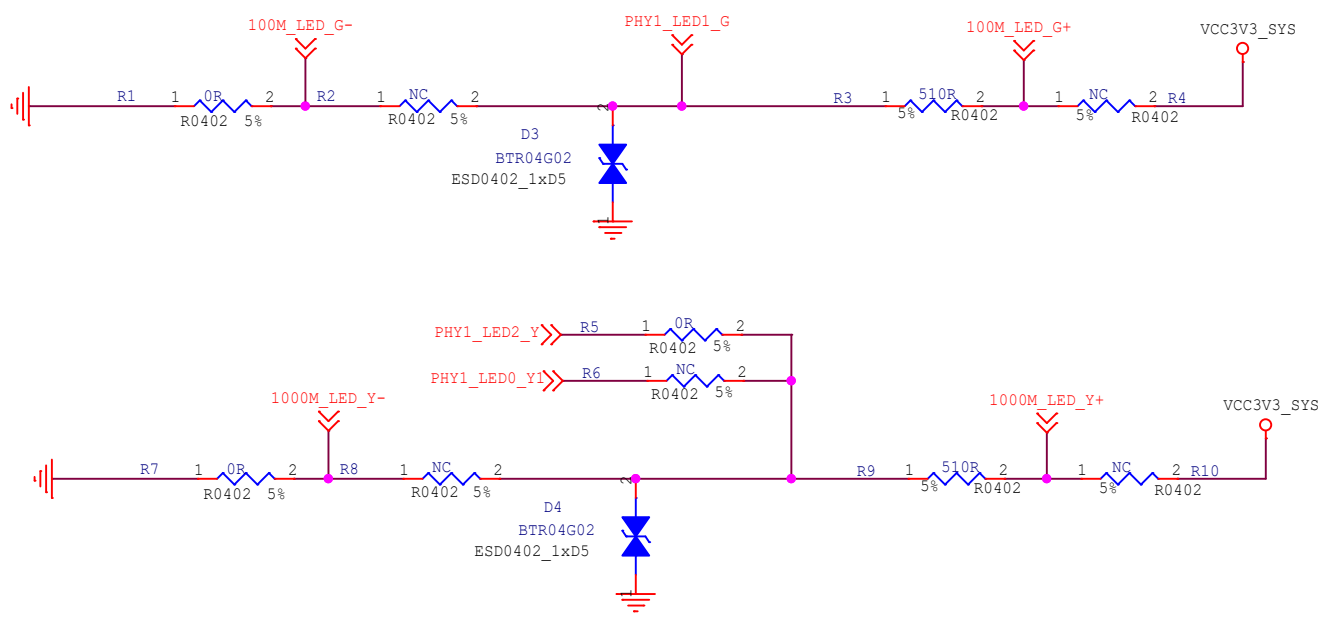
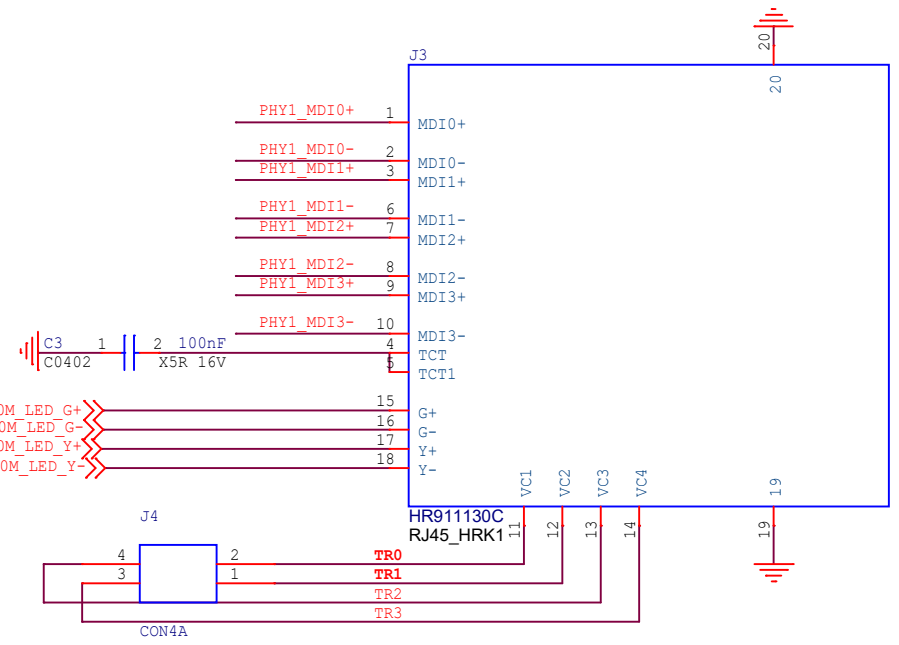
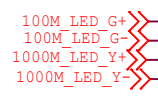
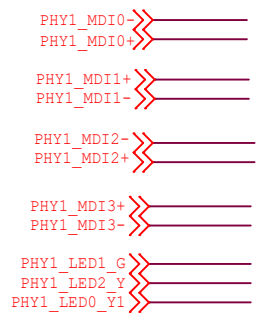


HDMI2.0 TX

Cj <= 0.4pF

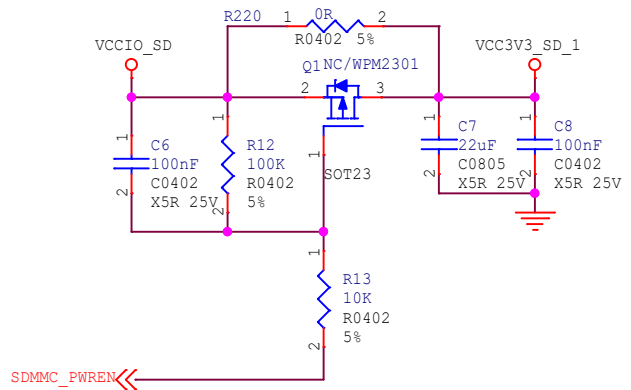
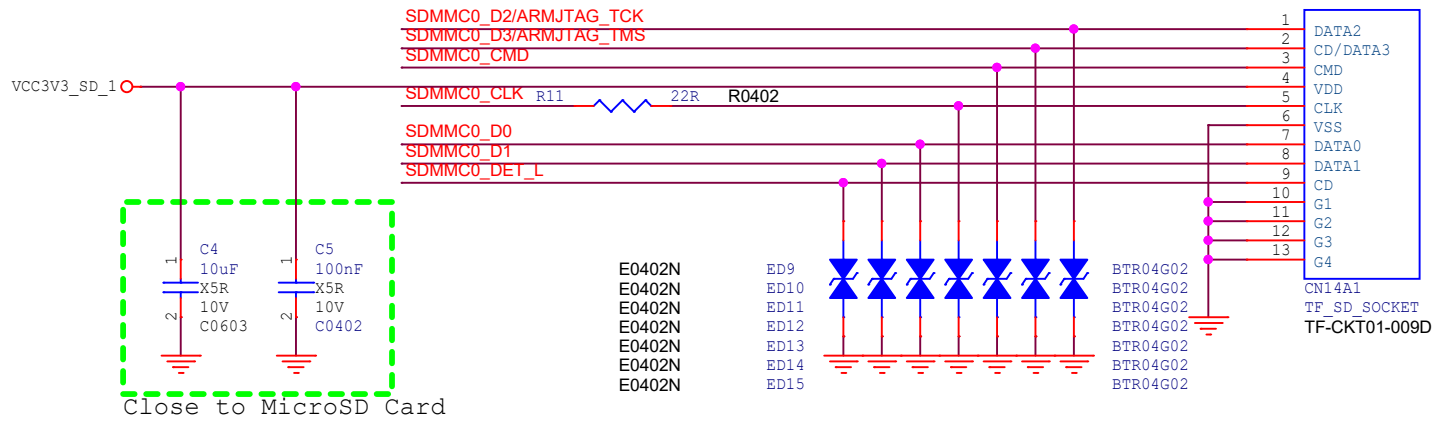
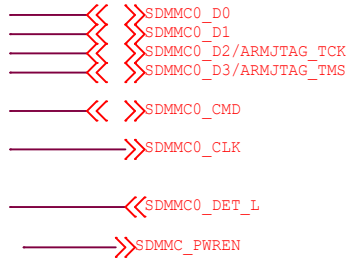


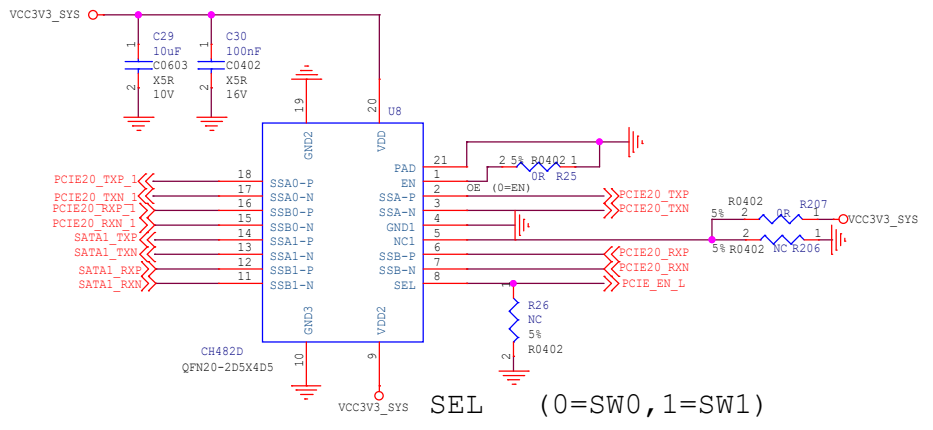
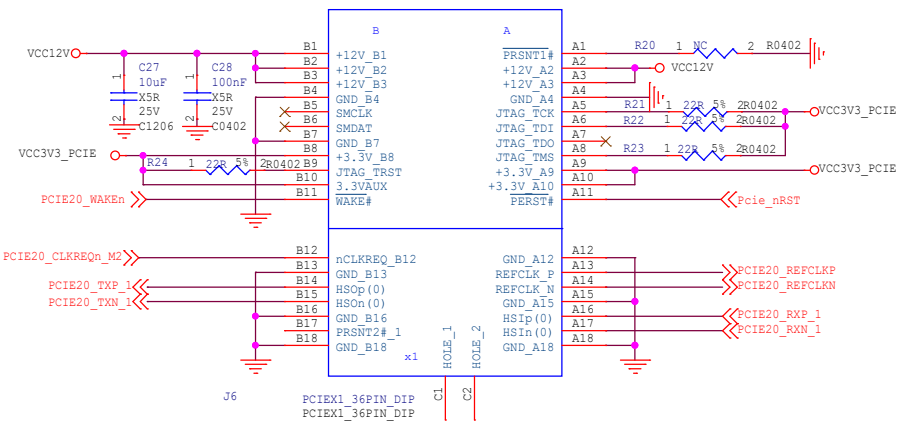
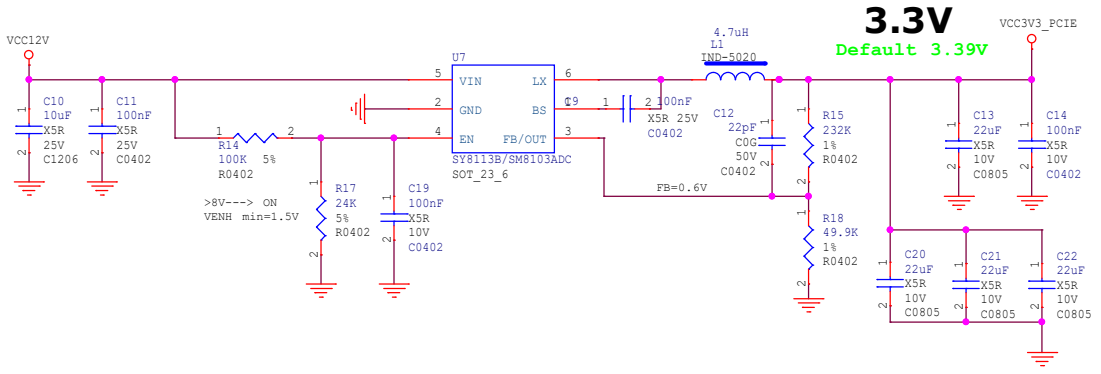
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| A4 | Page Name: HDMIO OUT | 1.3 |
| Date: Wednesday, December 21, 2022 Sheet 04 of 20 | | |



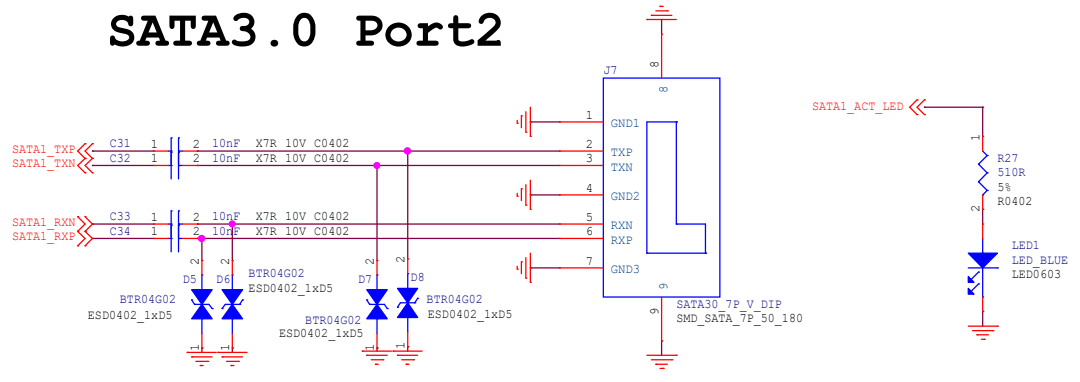
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| Date: Wednesday, December 21, 2022 Sheet 05 of 20 | | |


MicroSD Card



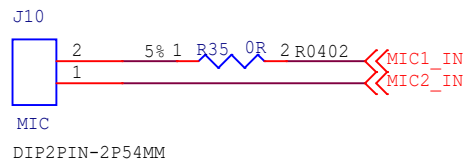
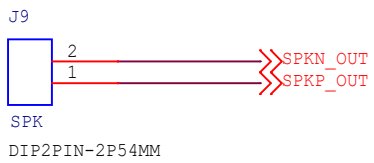
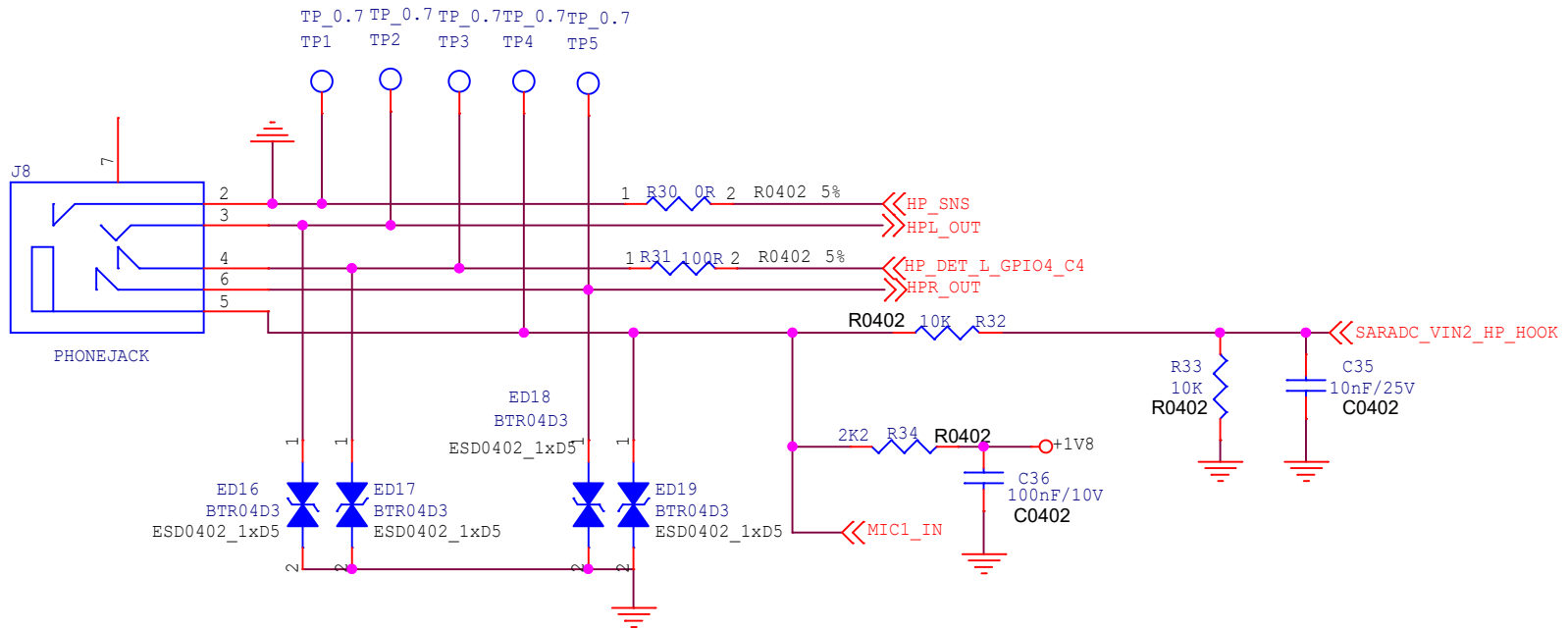


SATA3.0 Port2





| | | |
|---|---|--------------|
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| Date: Wednesday, December 21, 2022 | | |
| Sheet 07 | | of 20 |

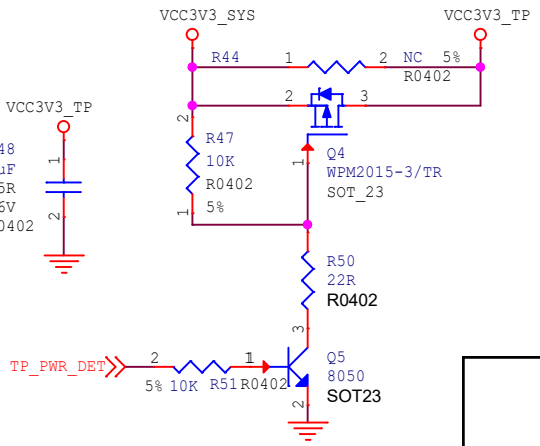
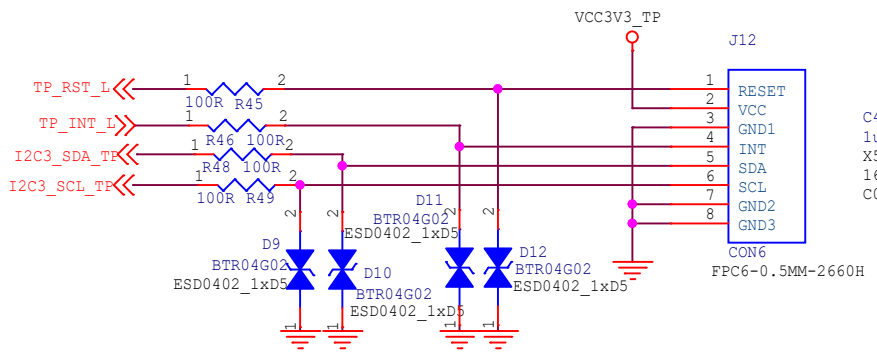
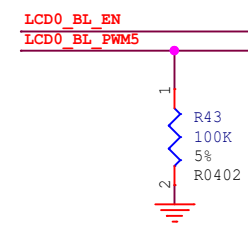
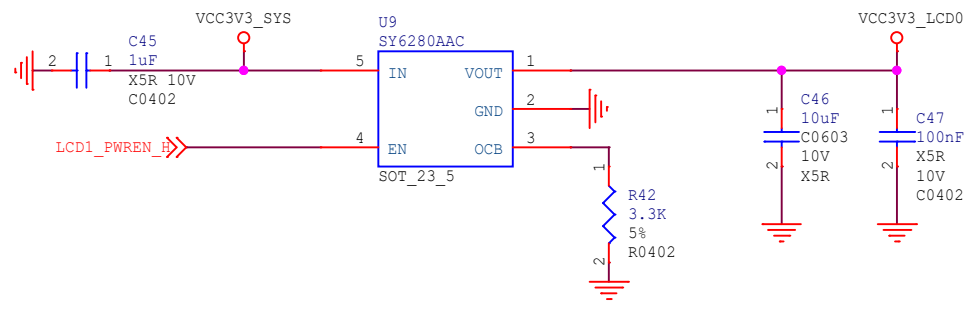
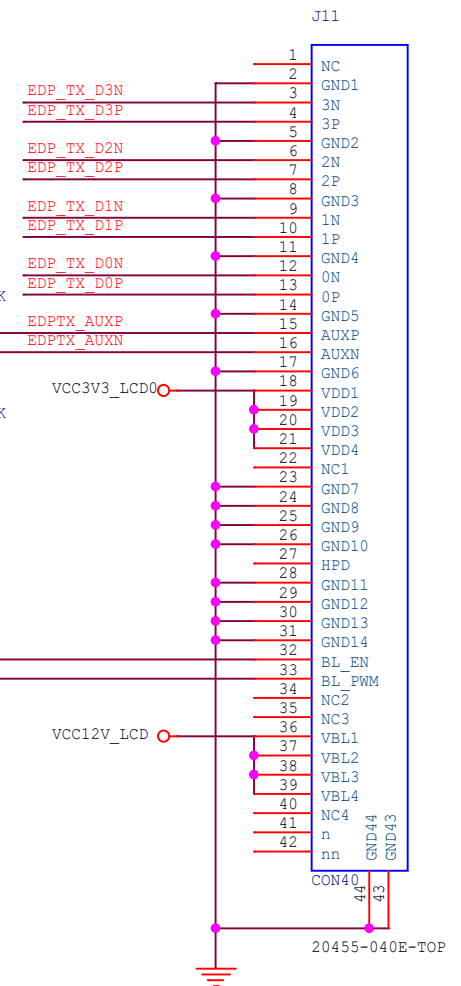
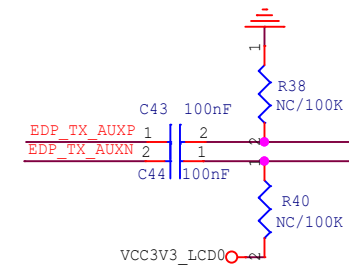
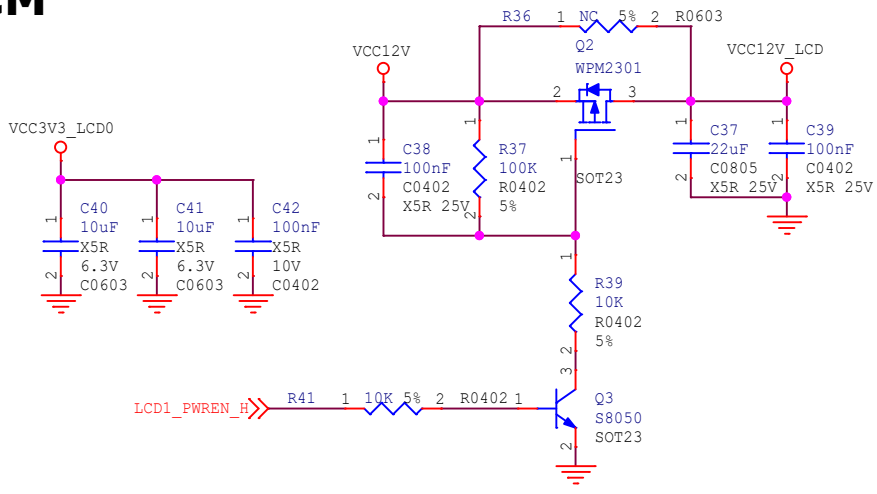


radxa

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| Size | Title: ROCK3 Compute Module IO Board | REV |
| A | Page Name: AUDIO | 1.3 |
| Date: Wednesday, December 21, 2022 Sheet 08 of 20 | | |

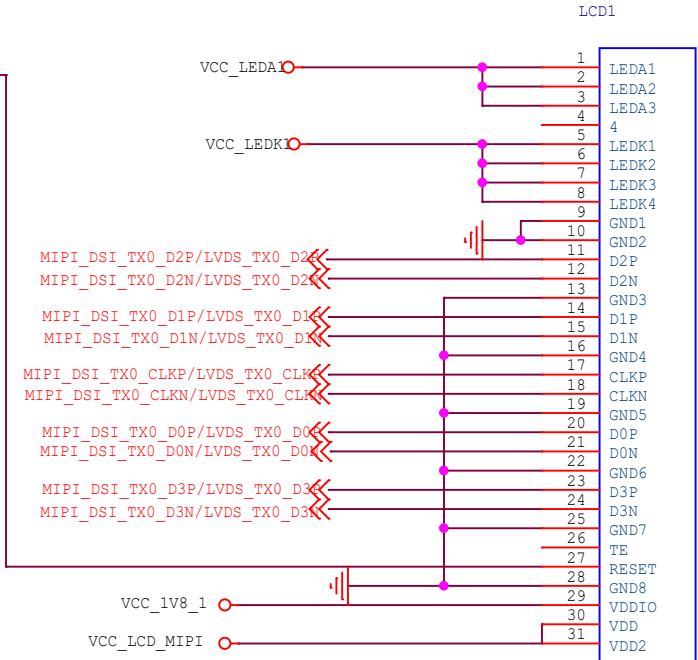
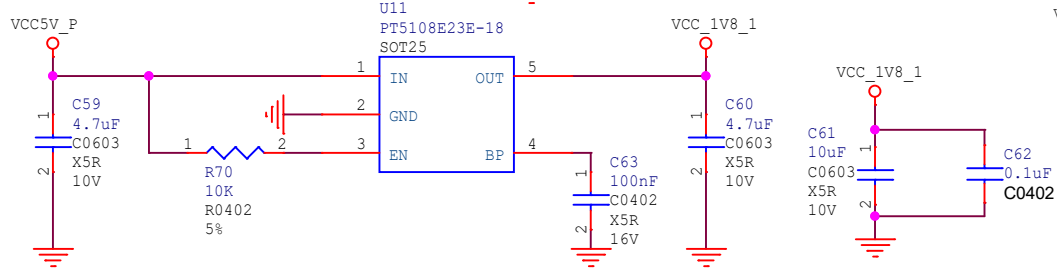
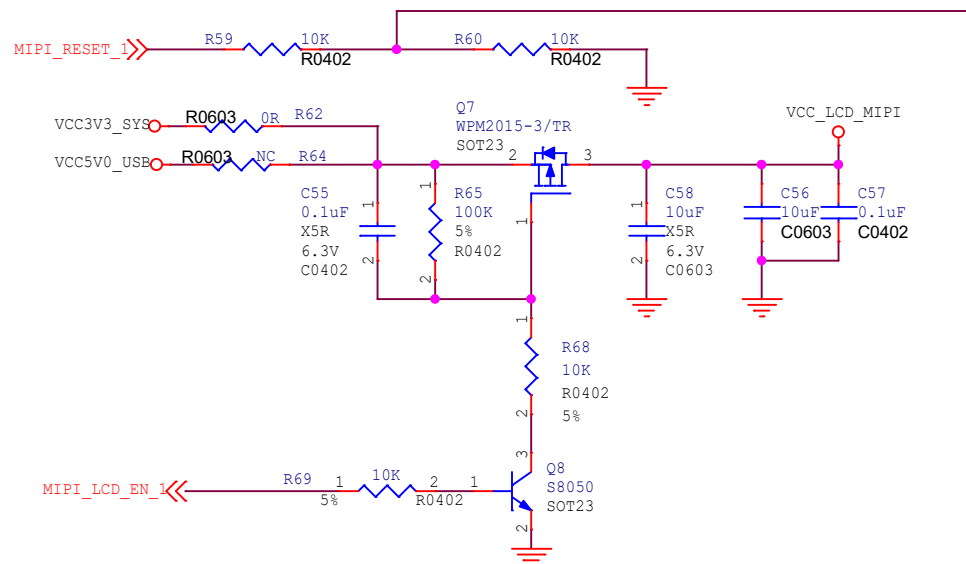
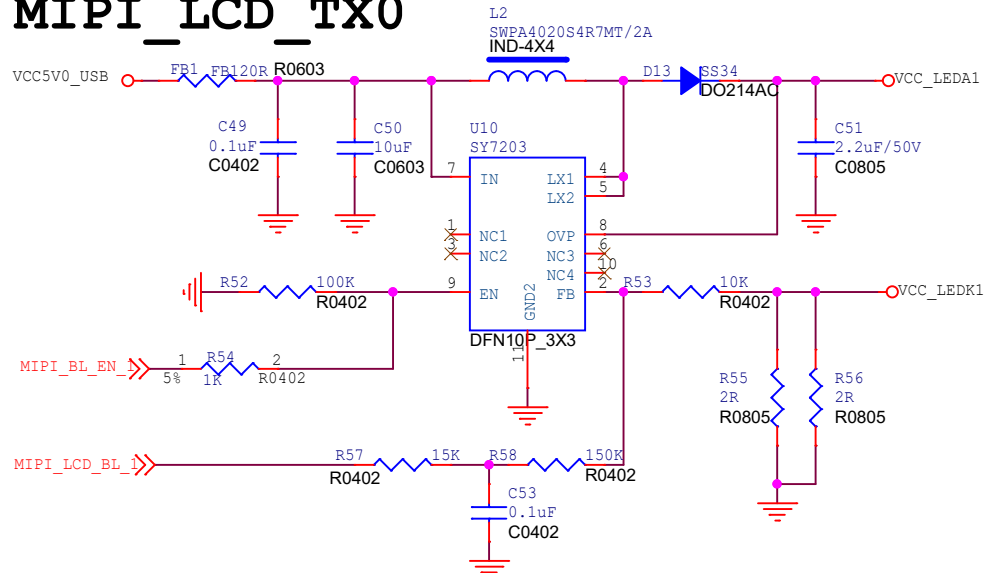
Single-eDP LCM

- >>> EDP_TX_D0P
- >>> EDP_TX_D0N
- >>> EDP_TX_D1P
- >>> EDP_TX_D1N
- >>> EDP_TX_D2P
- >>> EDP_TX_D2N
- >>> EDP_TX_D3P
- >>> EDP_TX_D3N
- >>> EDP_TX_AUXP
- >>> EDP_TX_AUXN
- >>> LCD0_BL_EN
- >>> LCD0_BL_PWM5
- >>> LCD1_PWREN_H



| | | |
|------------------------------------|--------------------------------------|----------|
| Size | Title: ROCK3 Compute Module IO Board | REV |
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| Date: Wednesday, December 21, 2022 | Sheet | 09 of 20 |

MIPI_LCD_TX0

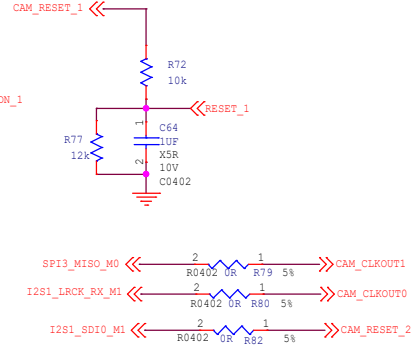
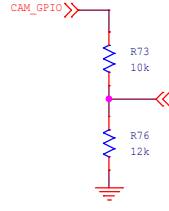
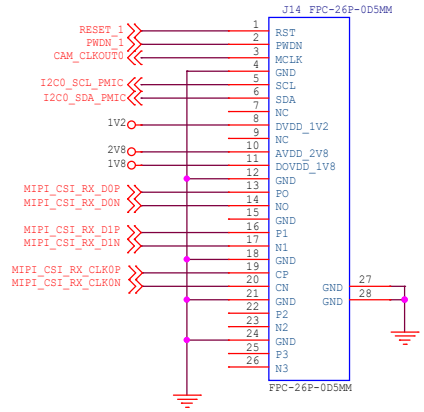


FH35C_31P_0_6SHW
FH35C_31P_0_6SHW

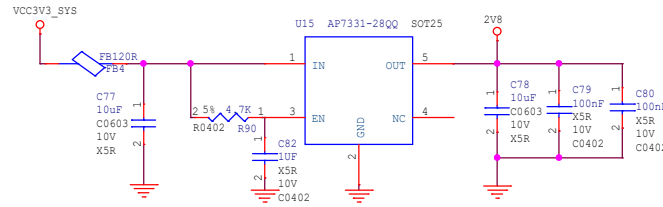
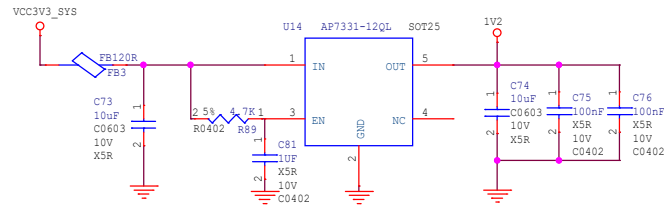
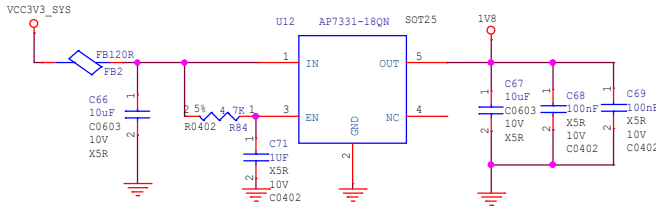
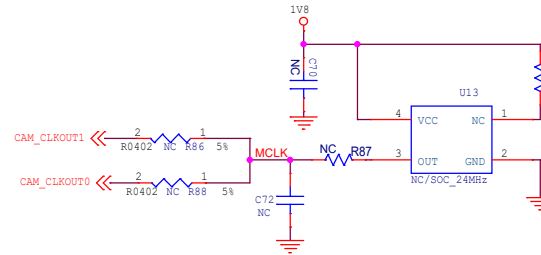
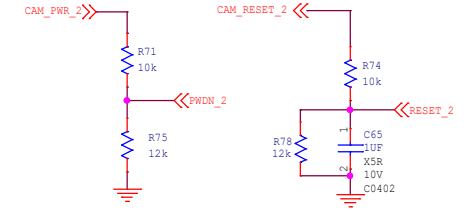
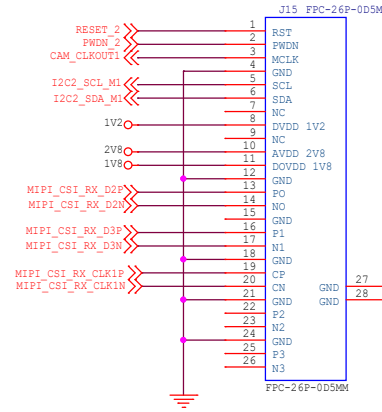


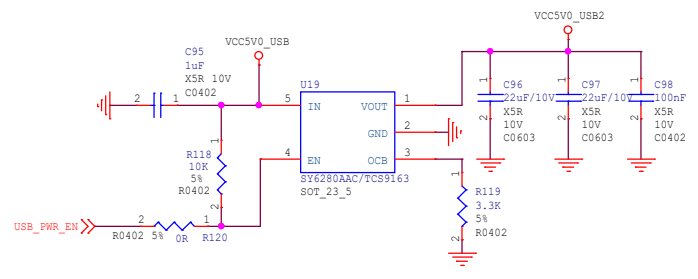
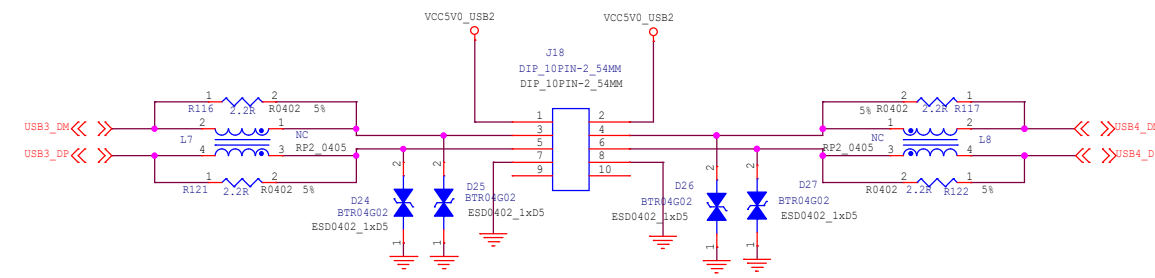
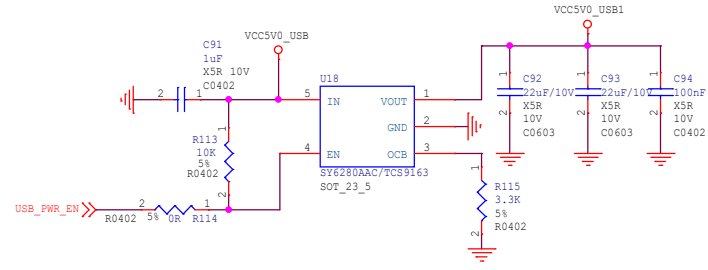
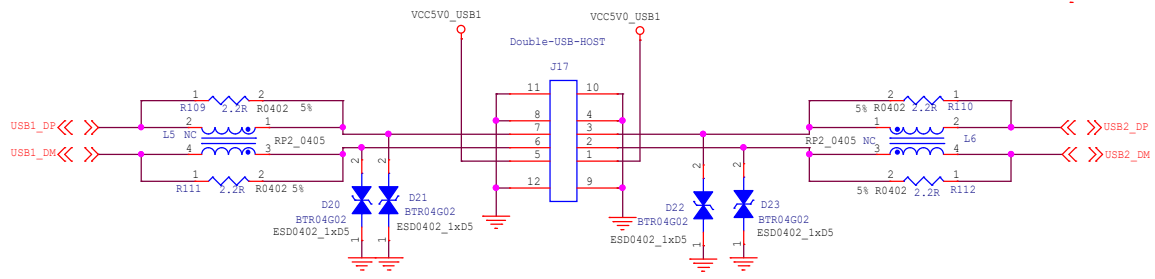
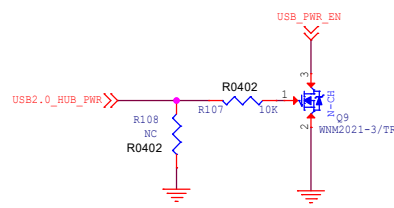
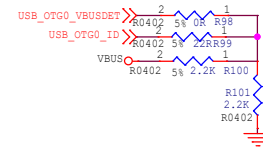
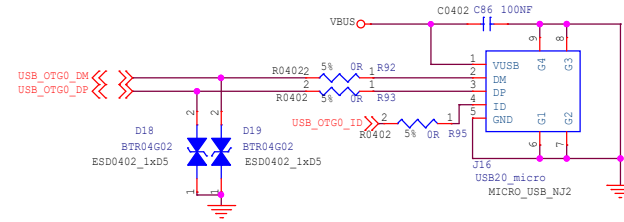
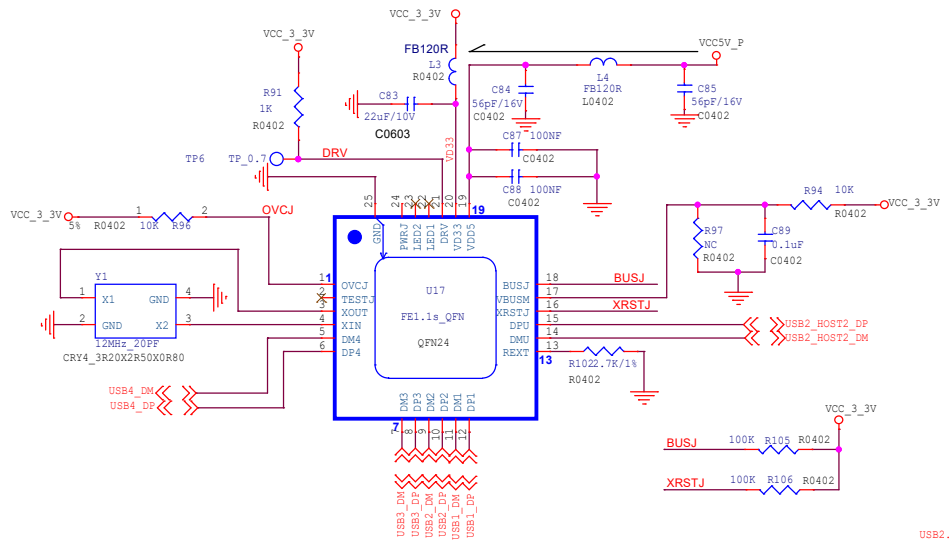
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| Date: Wednesday, December 21, 2022 | Sheet | 10 of 20 |

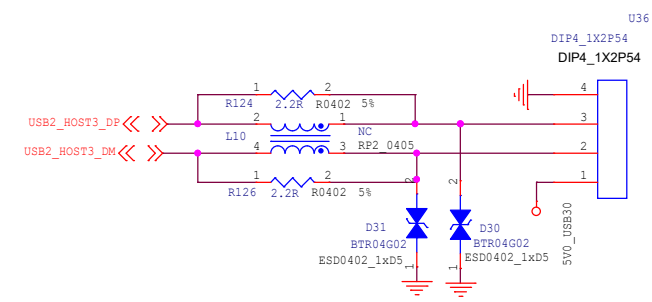
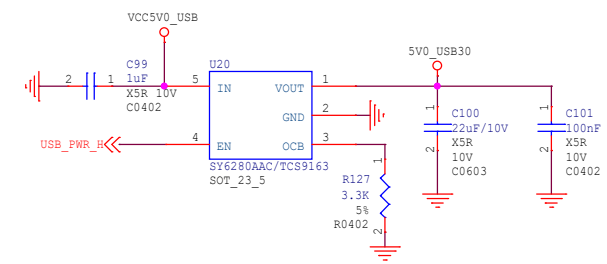
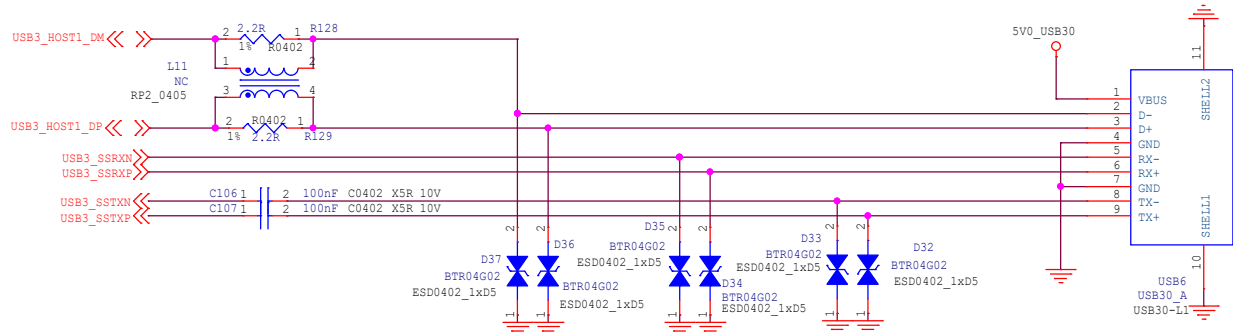
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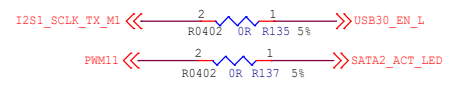
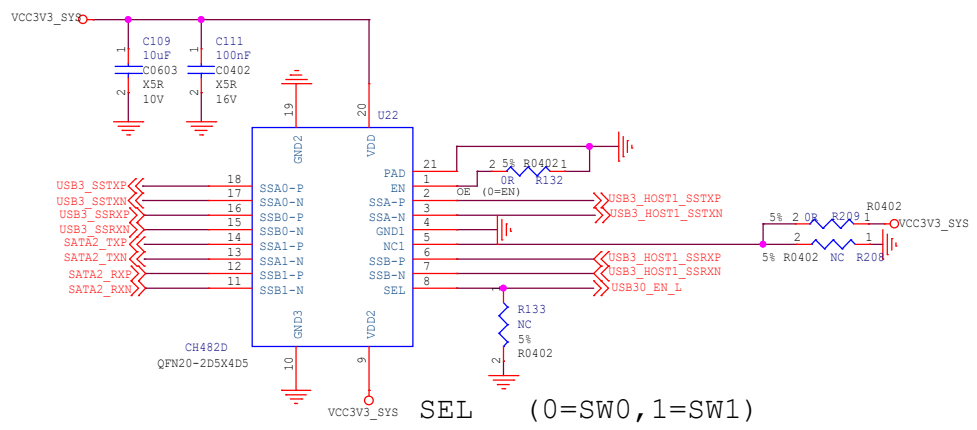
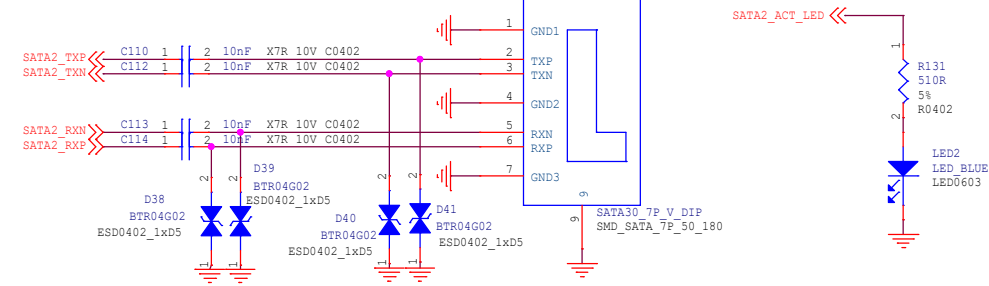
MIPI_CSI_RX 2Lanes






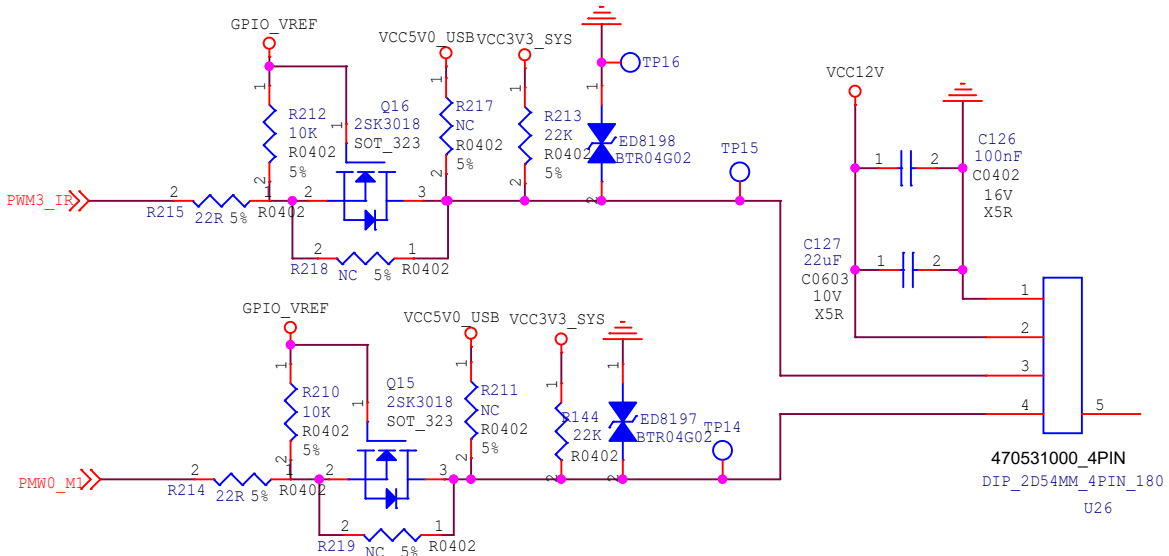
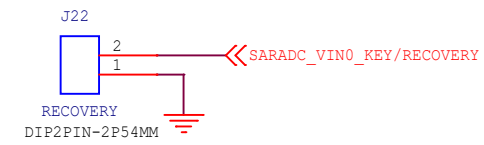
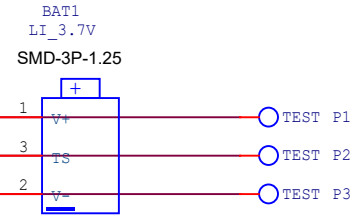
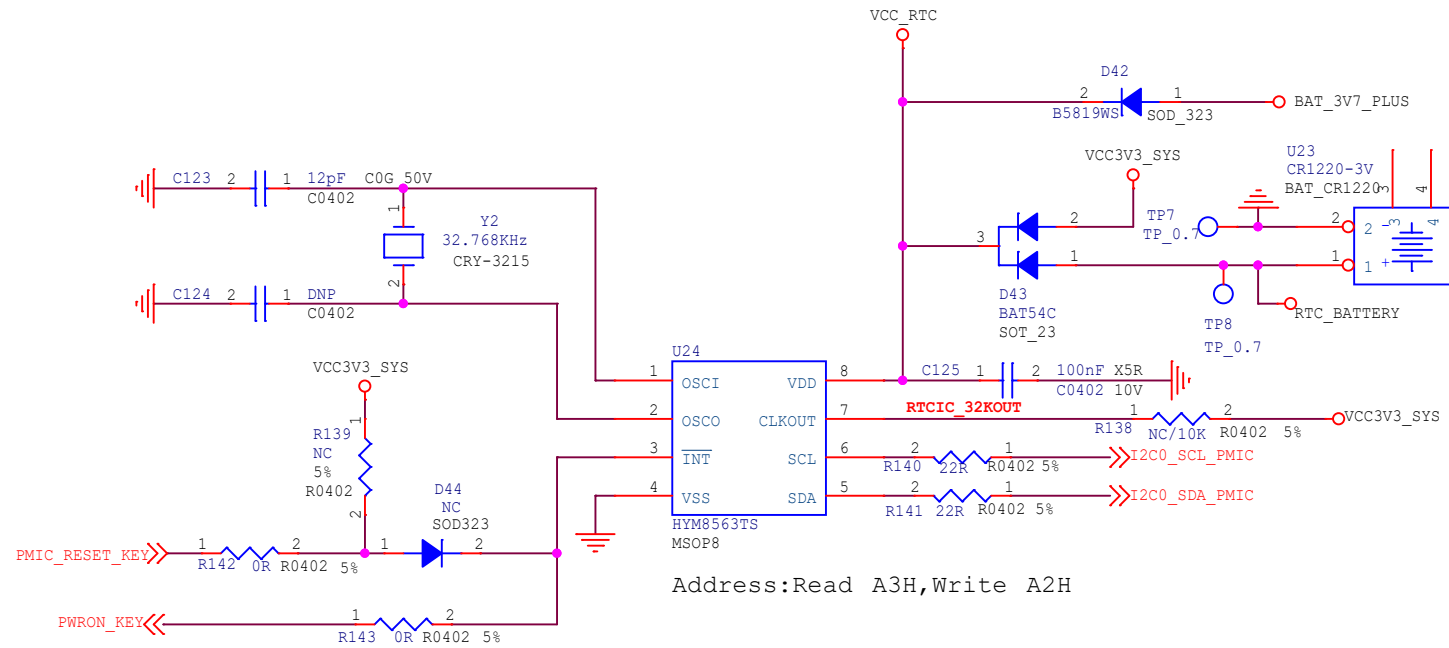


SATA3.0 Port2 And PCIe2.0 option

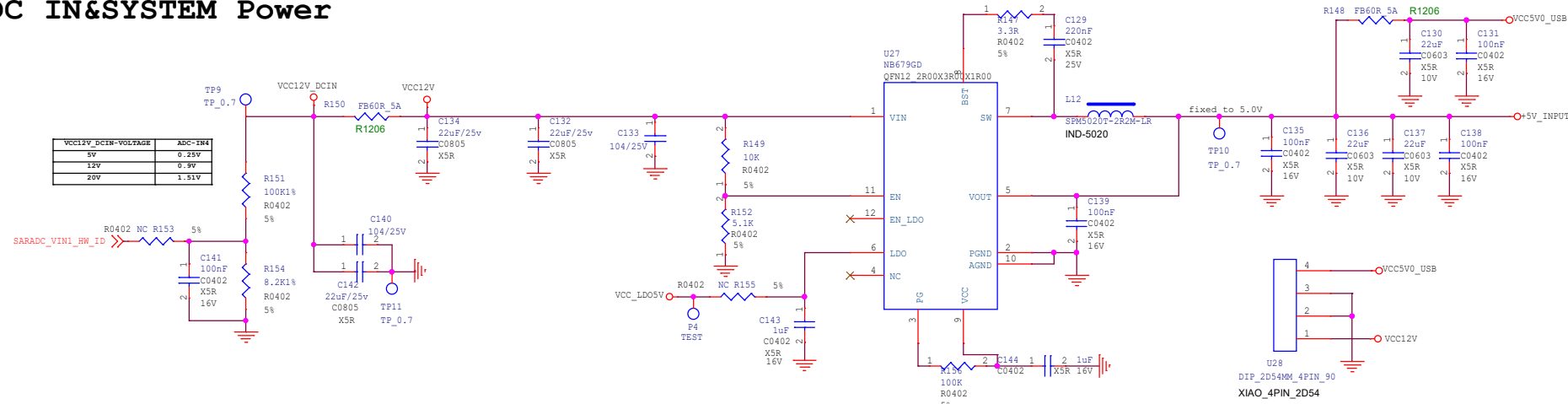




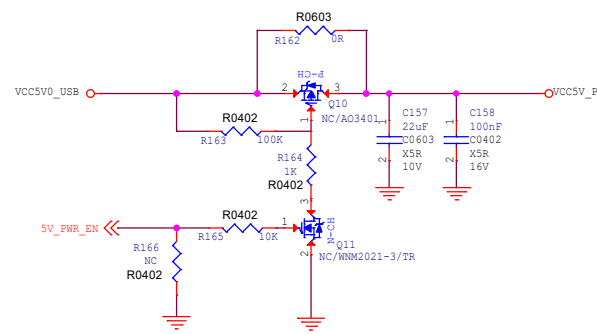
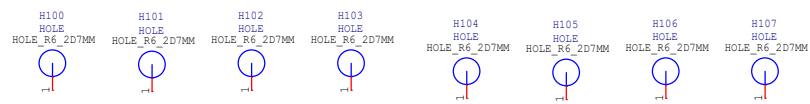
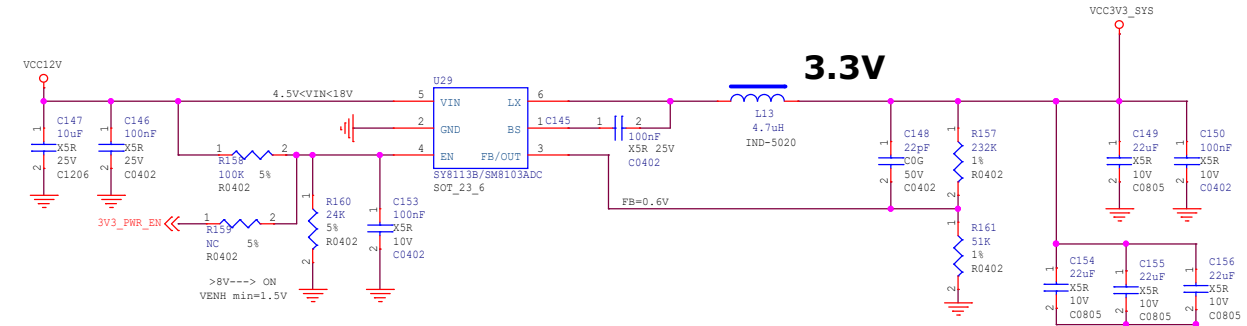
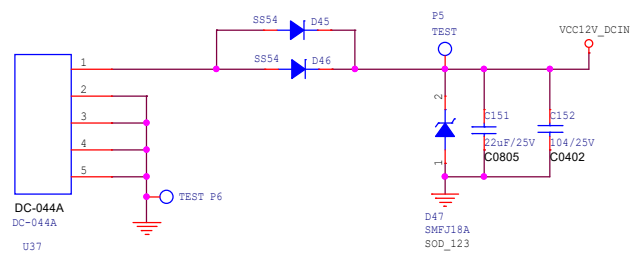
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| B | Page Name: USB HOST | 1.3 |
| Date: Wednesday, December 21, 2022 | | |
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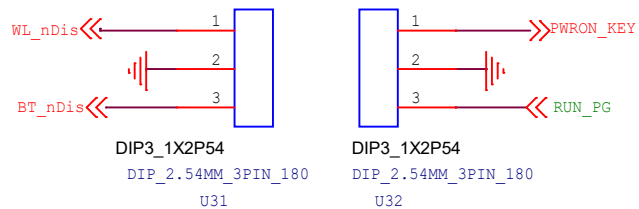
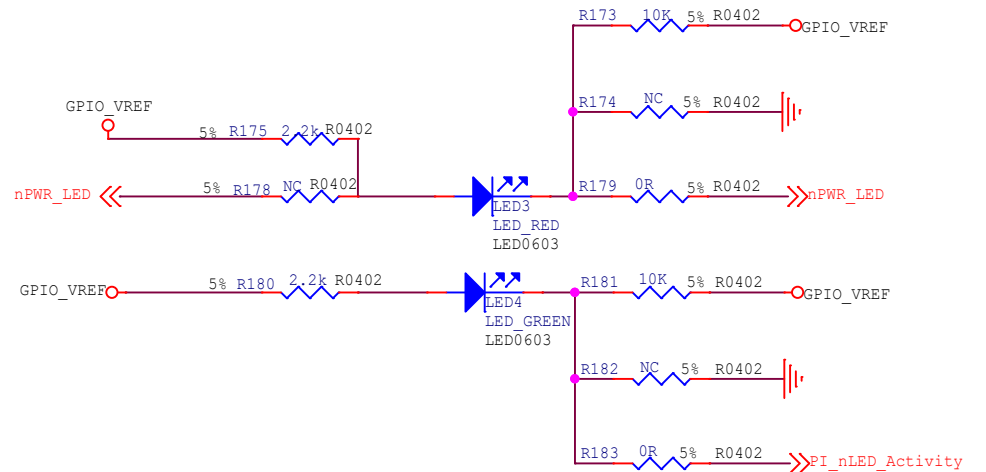
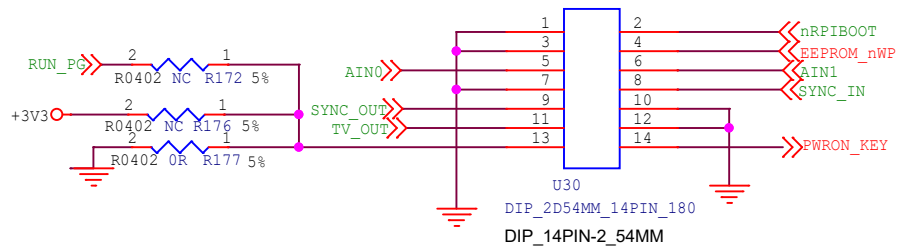
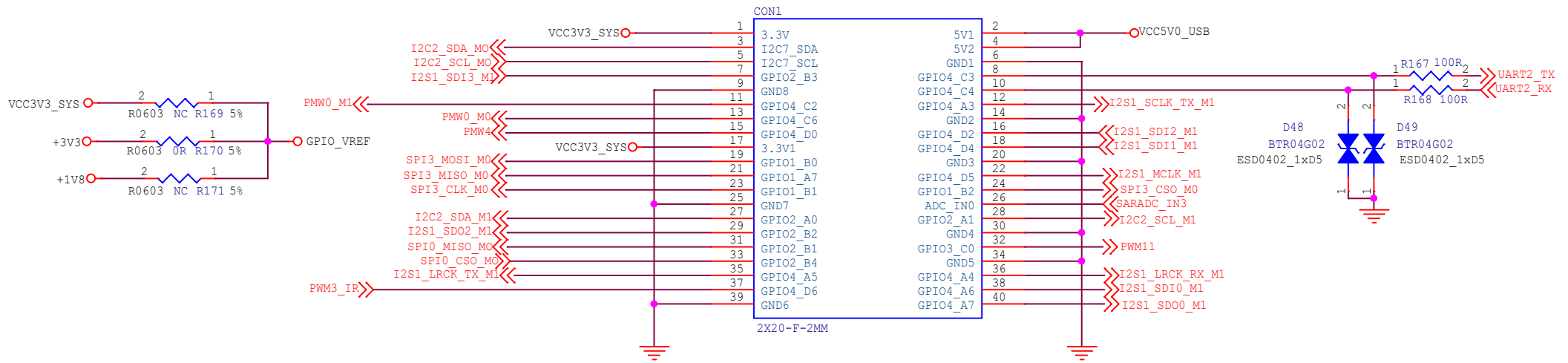
DC IN&SYSTEM Power




DC12V

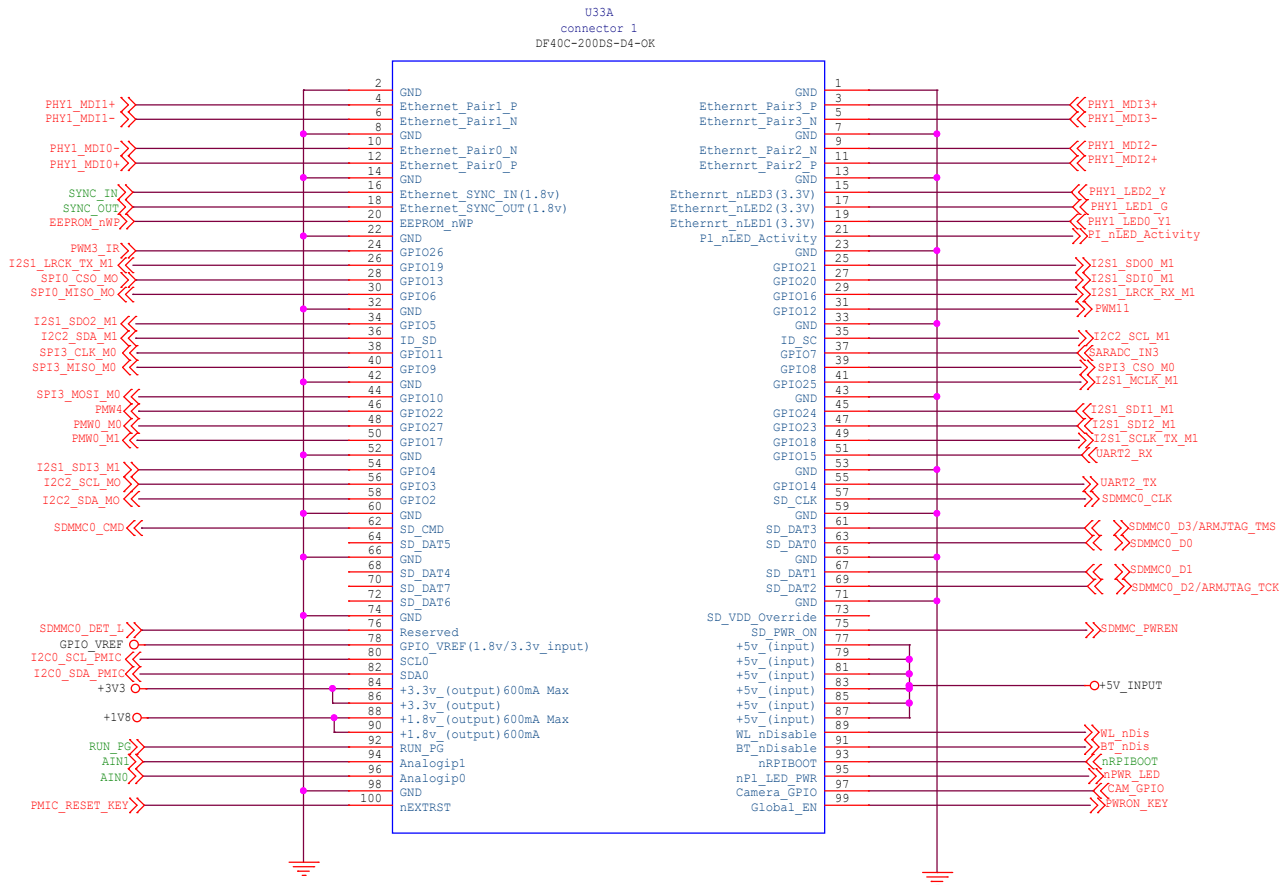


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| Date: | Wednesday, December 21, 2022 | | Sheet 15 of 20 |





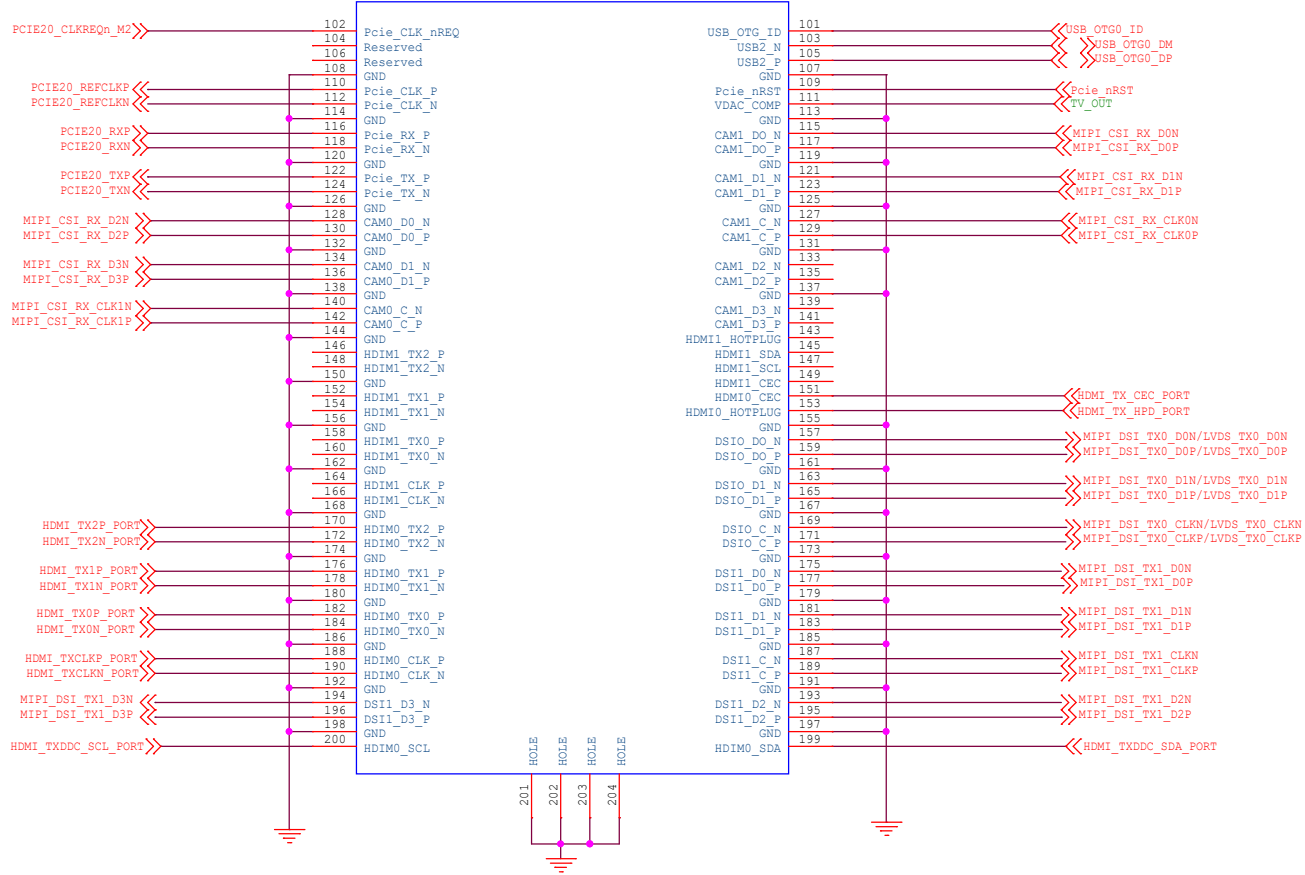
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| A4 | Page Name: 40PIN CONNECT | 1.3 |
| Date: Wednesday, December 21, 2022 | | |
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radxa

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| Size | Title: ROCK3 Compute Module IO Board | REV |
| B | Page Name: GPIO+VCC_Connector | 1.3 |
| Date: | Wednesday, December 21, 2022 | Sheet 17 of 20 |

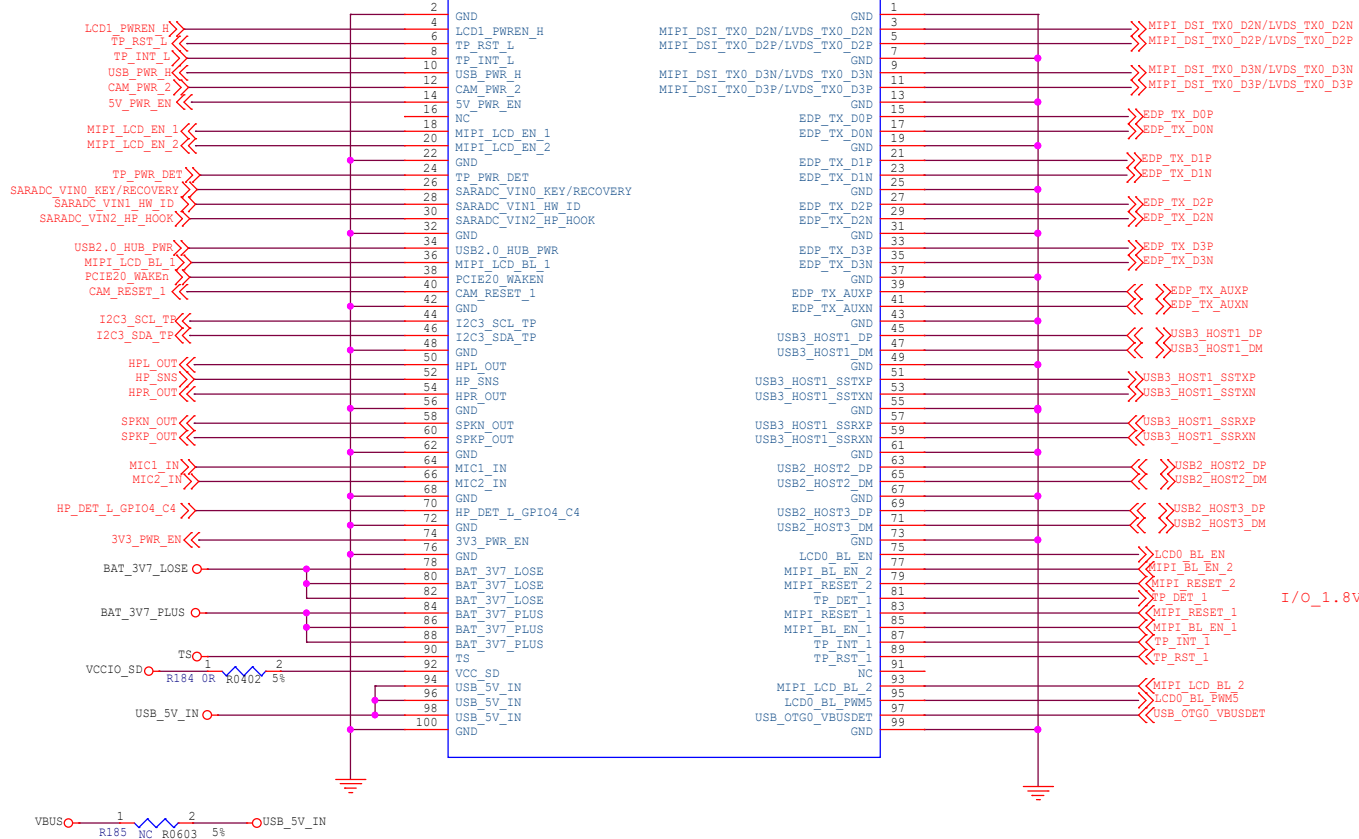
connector 2
U33B
DF40C-200DS-D4-0K



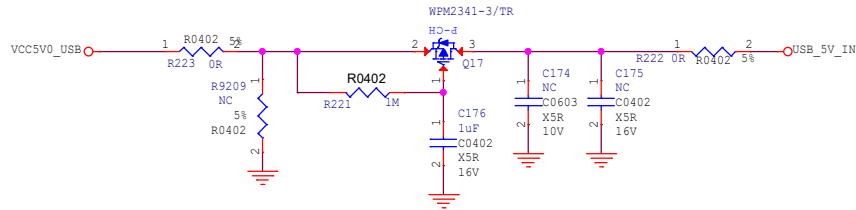
radxa


| | | |
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| Size | Title: ROCK3 Compute Module IO Board | REV |
| B | Page Name: High Speed Serial Connector | 1.3 |
| Date: Wednesday, December 21, 2022 | | |
| Sheet | | 18 of 20 |

J24
connector 3
DF40C_100DS



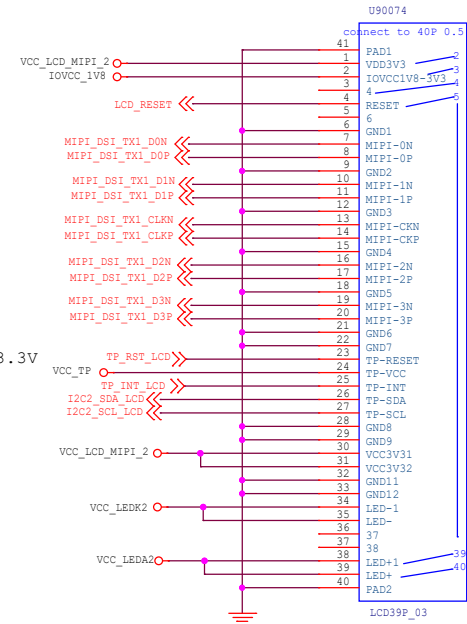
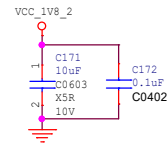
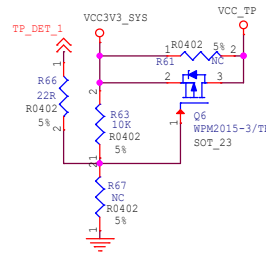
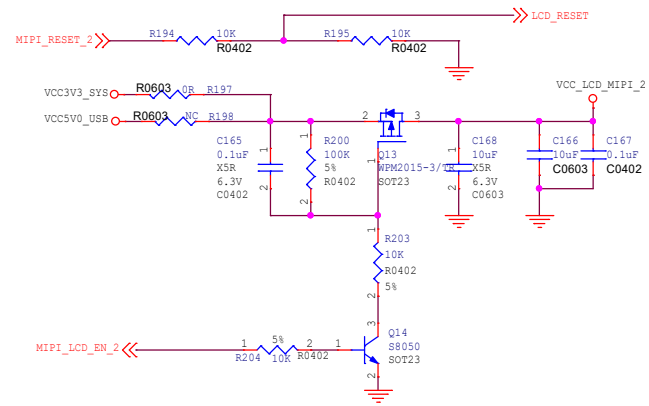
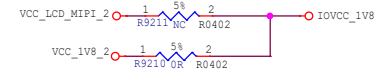
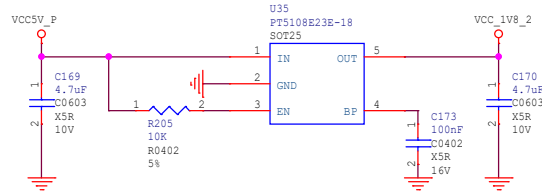
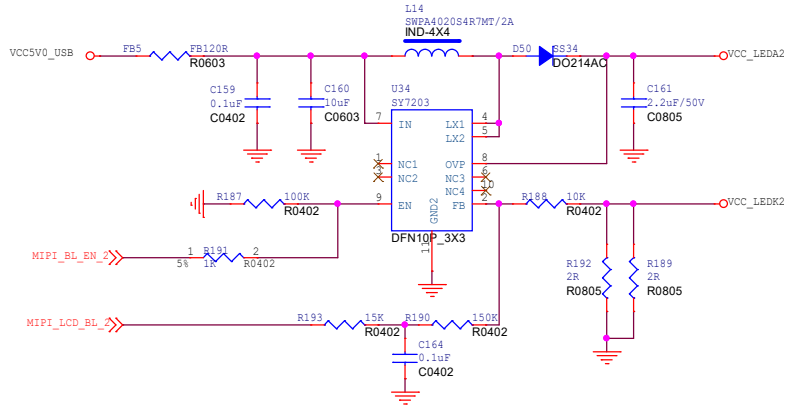
I/O_1.8V/3.3V





| | | |
|---|---|------------|
| Size | Title: ROCK3 Compute Module IO Board | REV |
| B | Page Name: IO_Connector | 1.3 |
| Date: Wednesday, December 21, 2022 | | |
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MIPI_LCD_TX1



LCD_TP

