

Schematic

Group: <http://www.hqyj.com/>

Project: FS_MP157_MARS

| Revision | Description | Date | Drawn |
|----------|----------------------------|------------|-------|
| Ver 1.0 | Releas version | 2019.07.19 | szl |
| Ver 2.0 | RGB/HDMI signal correction | 2020.04.08 | szl |
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Notes:

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Page 02: Block diagram

Page 03: Power Supply

Page 04: CPU Power

Page 05: CPU Peripheral

Page 06: CPU DDR3

Page 07: Flash Memory

Page 08: Gigabit Ethernet

Page 09: USB/TF/ KEY/LED

Page 10: HDMI

Page 11: Audio

Page 12: WiFi/BLE

Page 13: LCD/Camera/Touch

Page 14: GPIO/UART/BOOT/JTAG



Project: FS_MP157_MARS

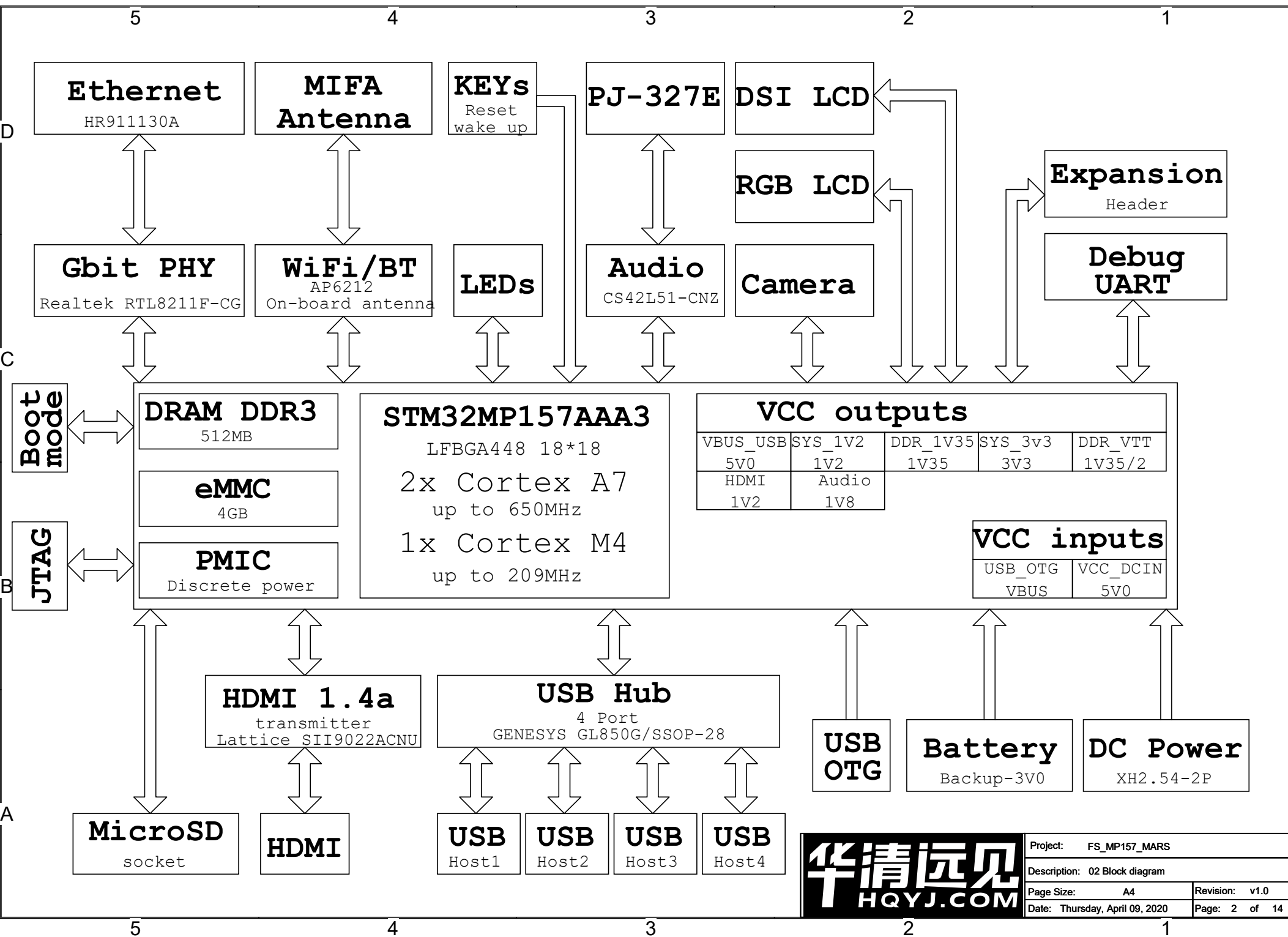
Description: 01 Cover sheet

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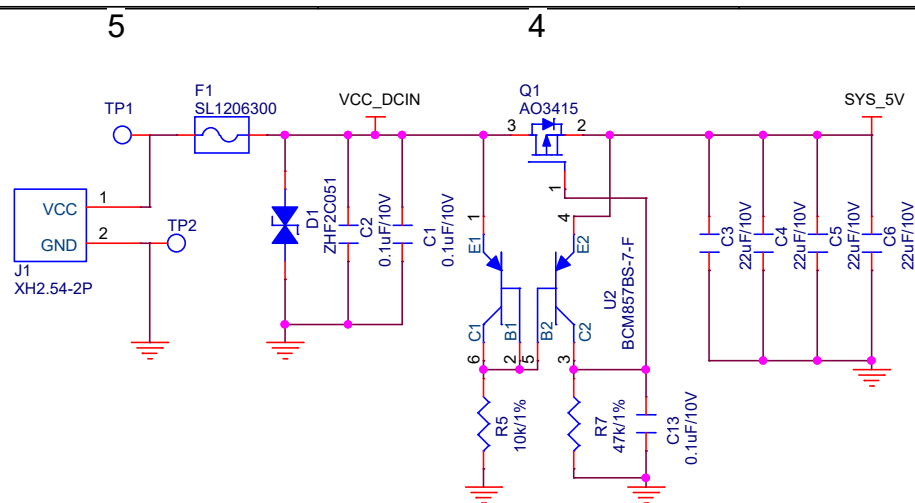
Revision: v2.0

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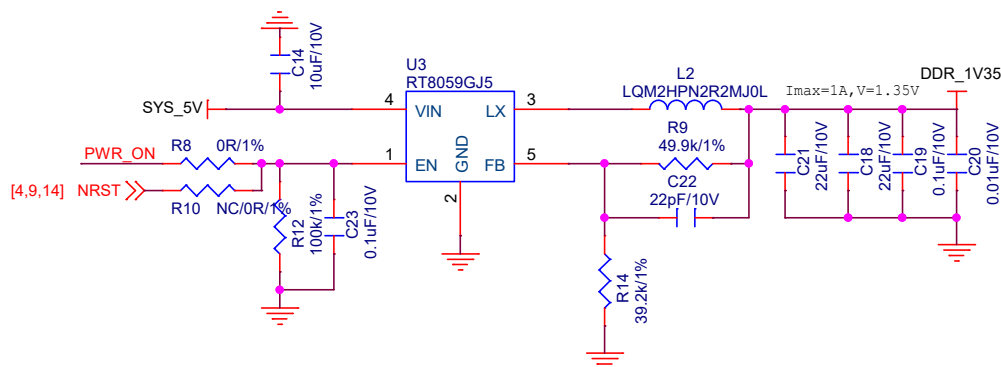
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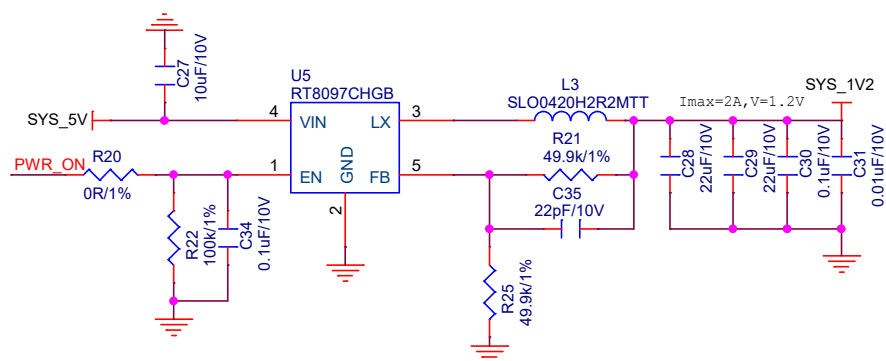
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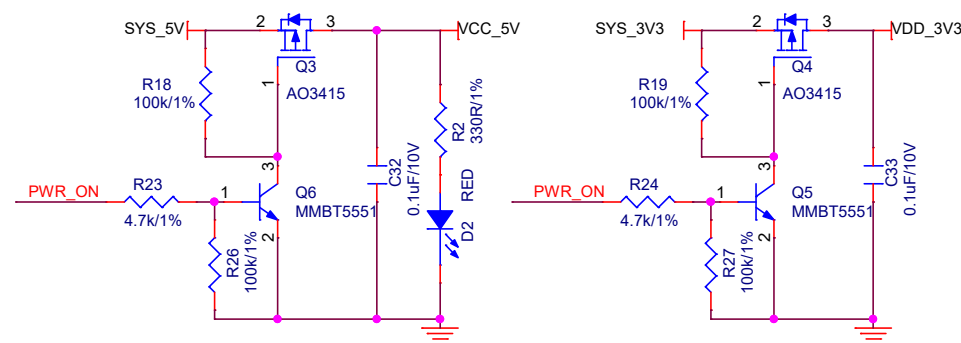
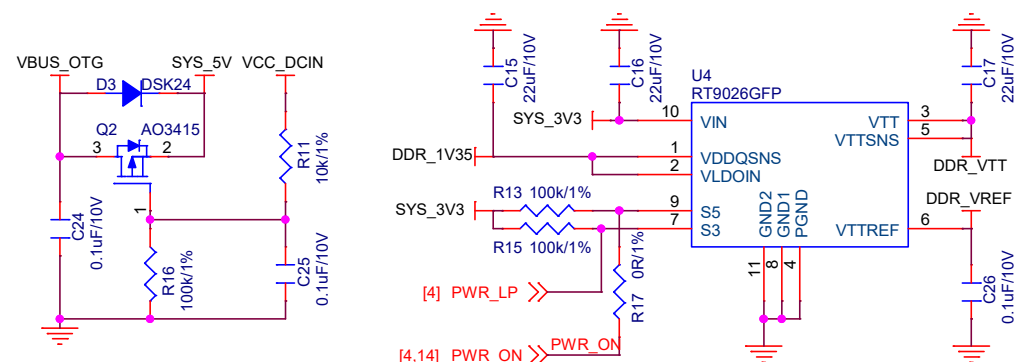
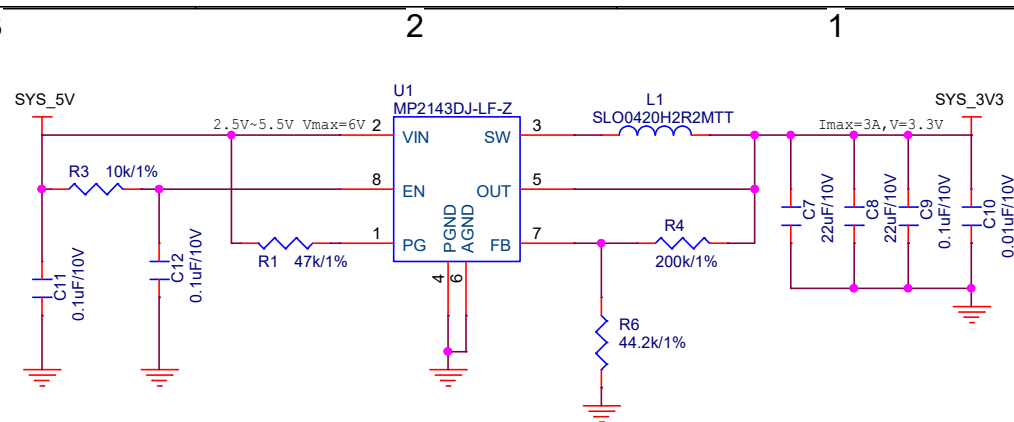
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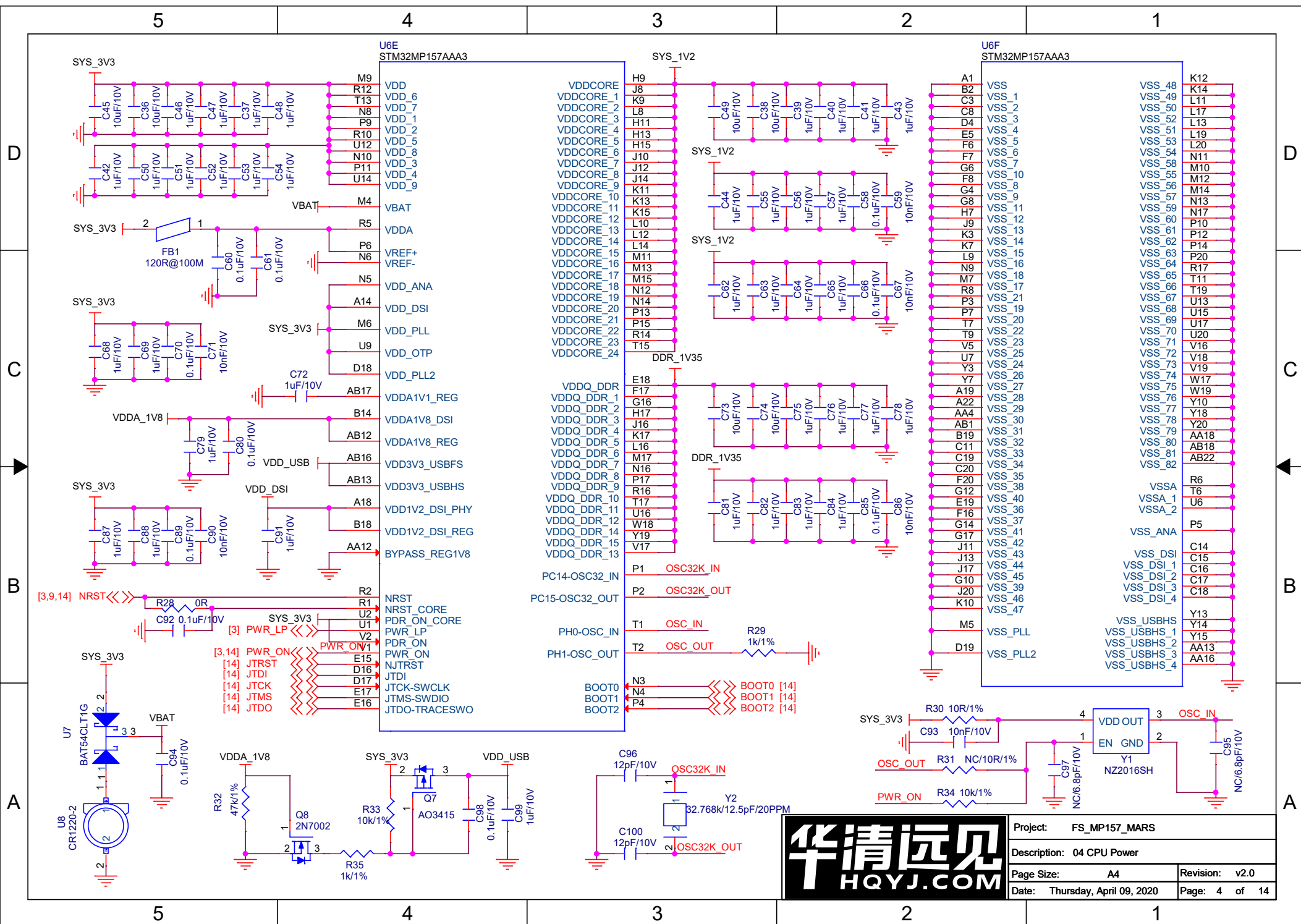


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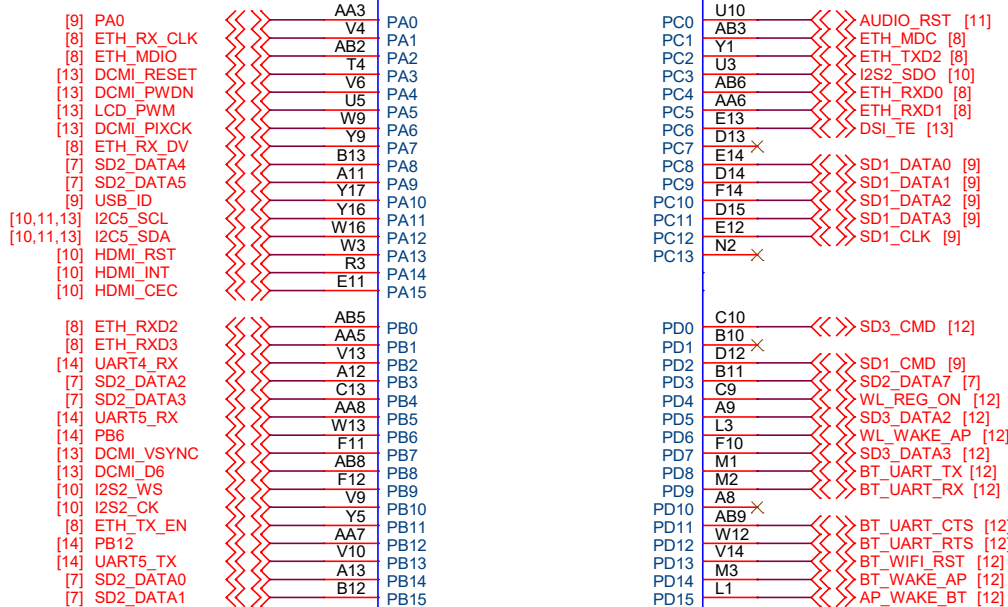
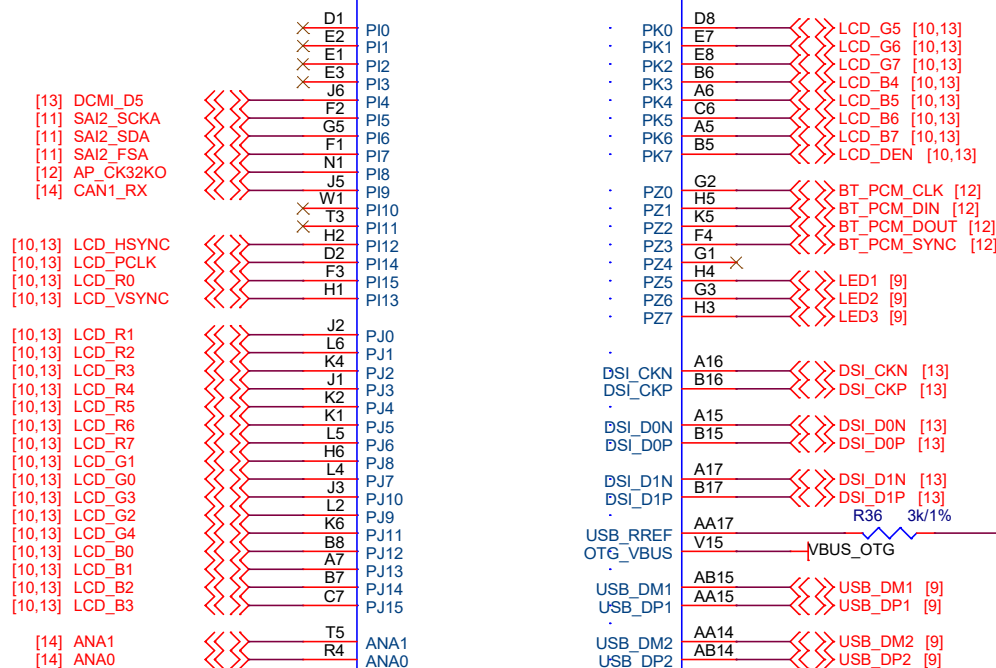
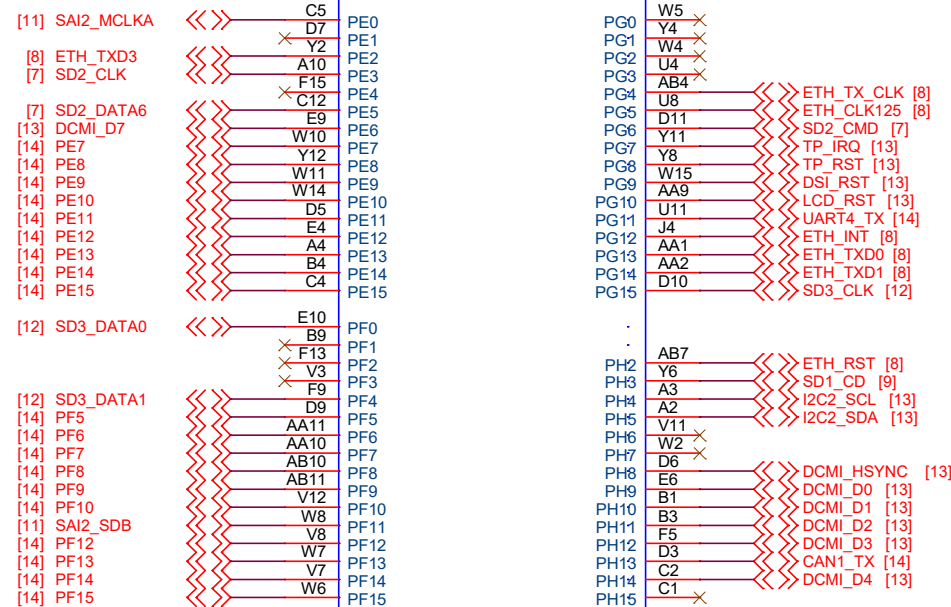
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U6A
STM32MP157AAA3U6C
STM32MP157AAA3U6B
STM32MP157AAA3

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Project: FS_MP157_MARS

Description: 05 CPU Peripheral

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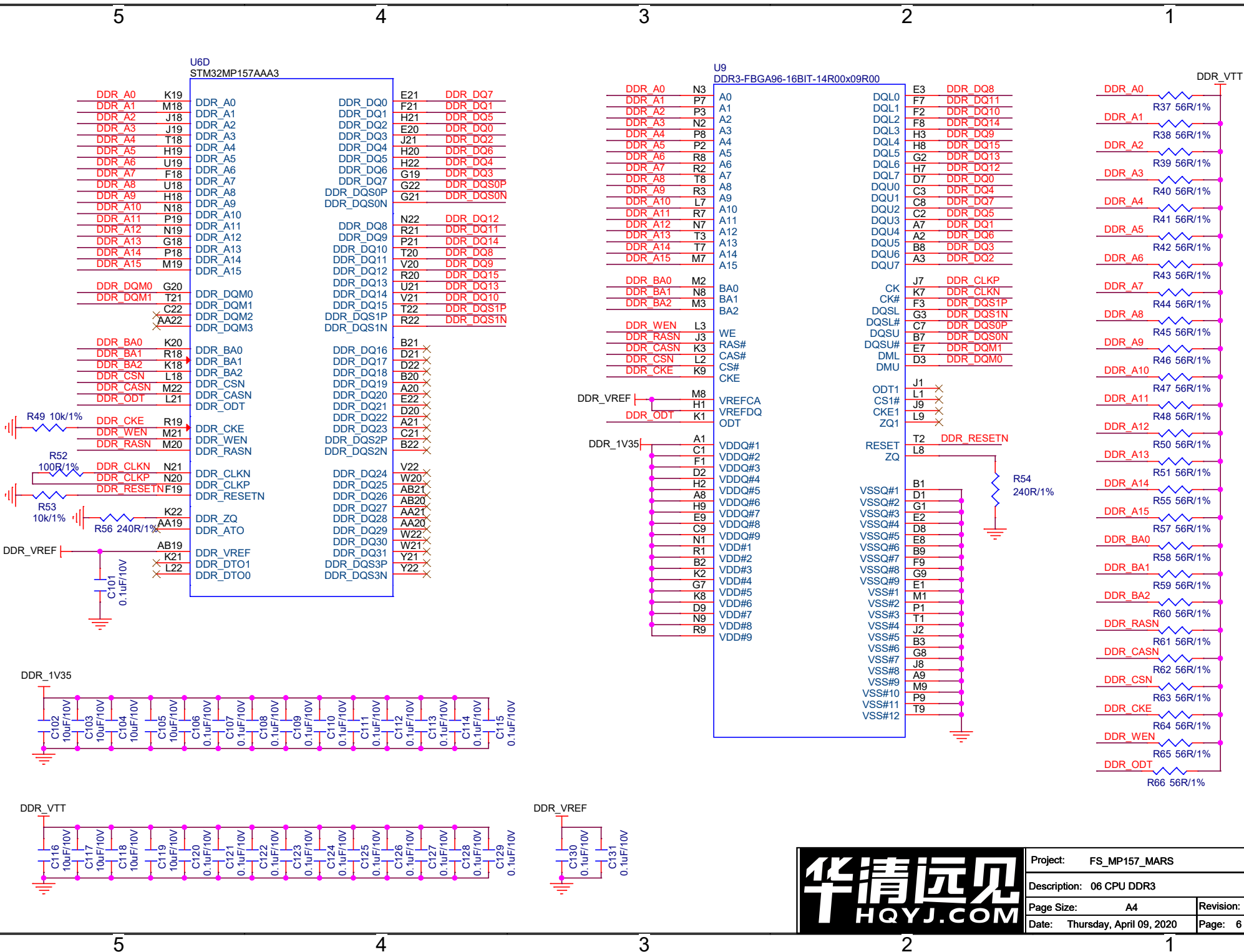
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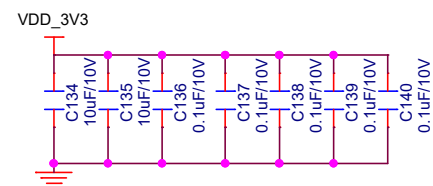
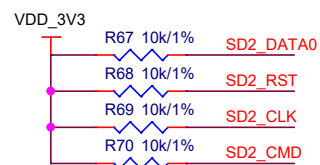
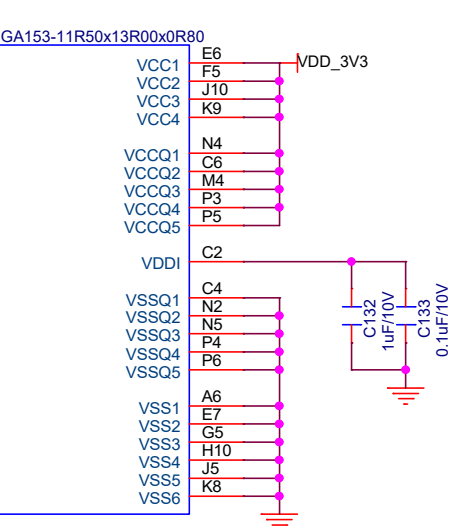
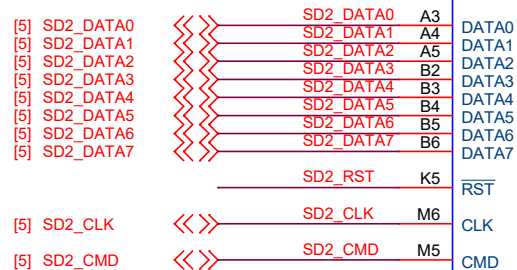
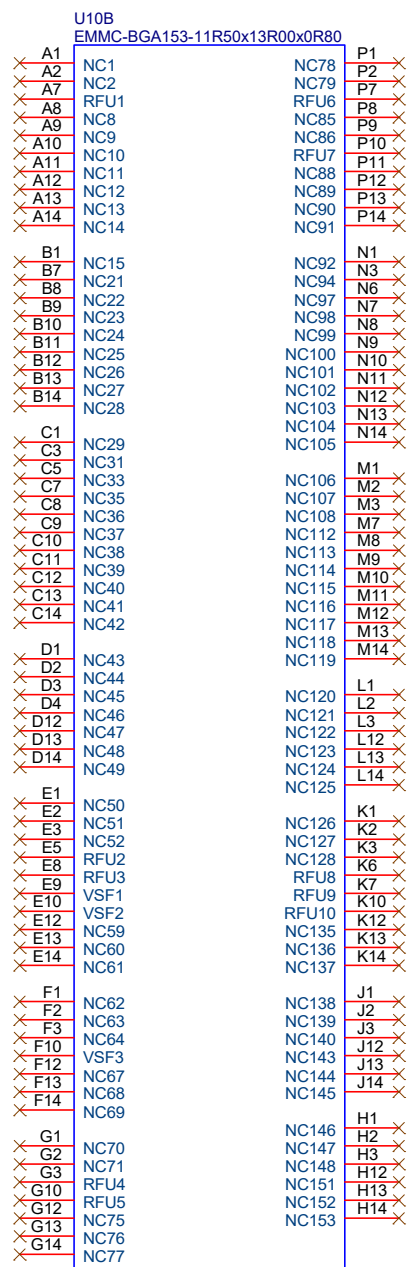


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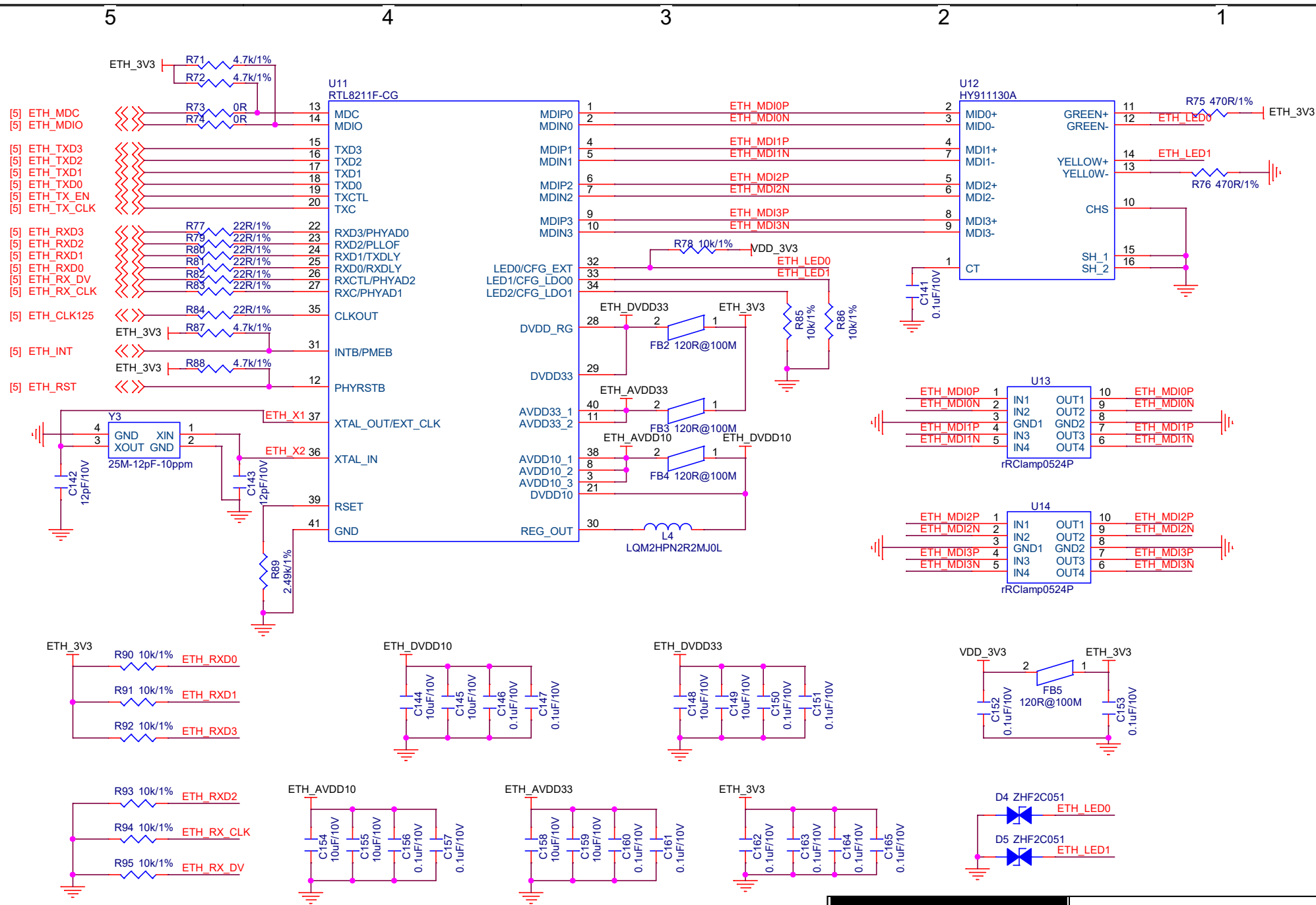


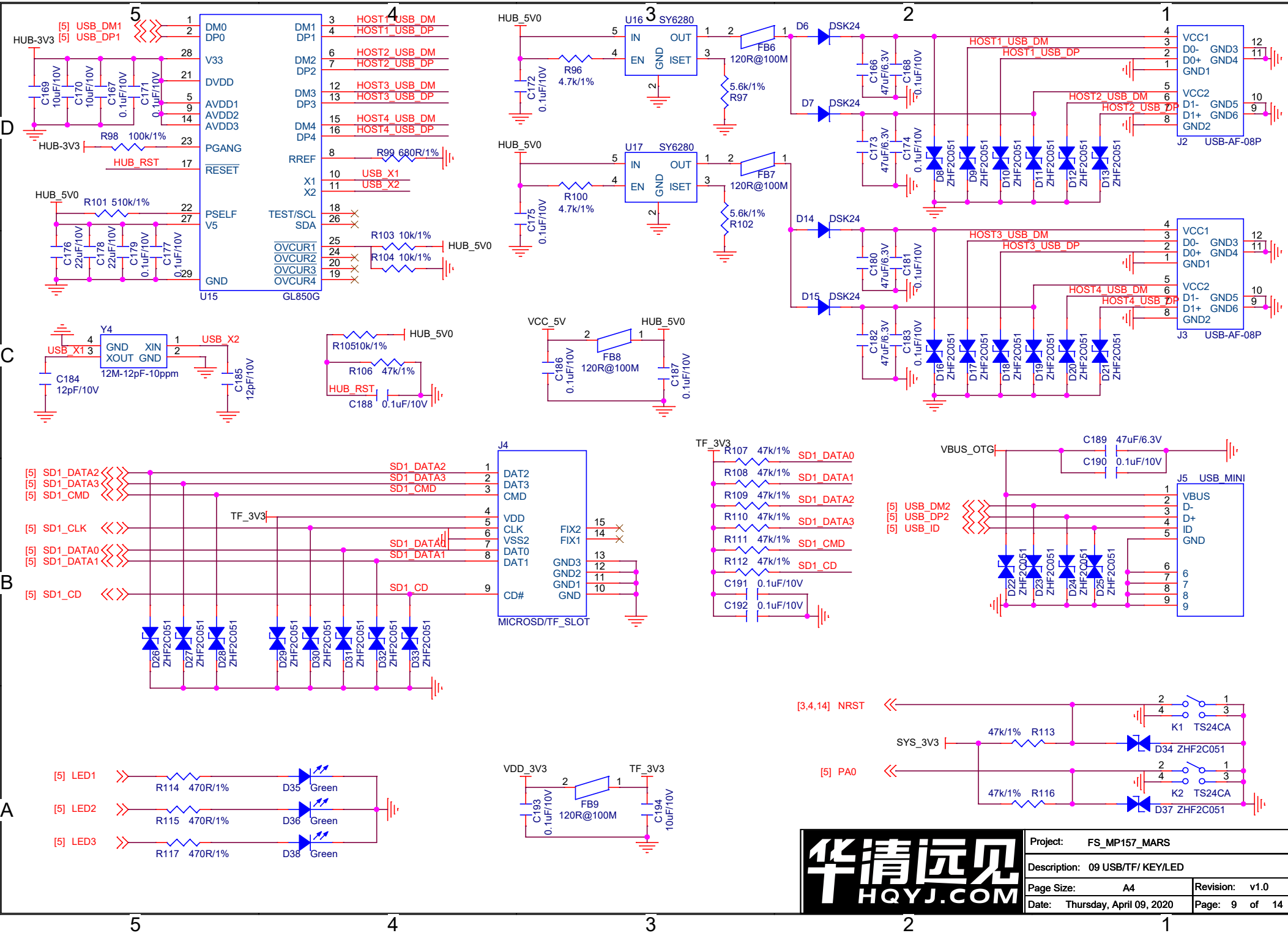
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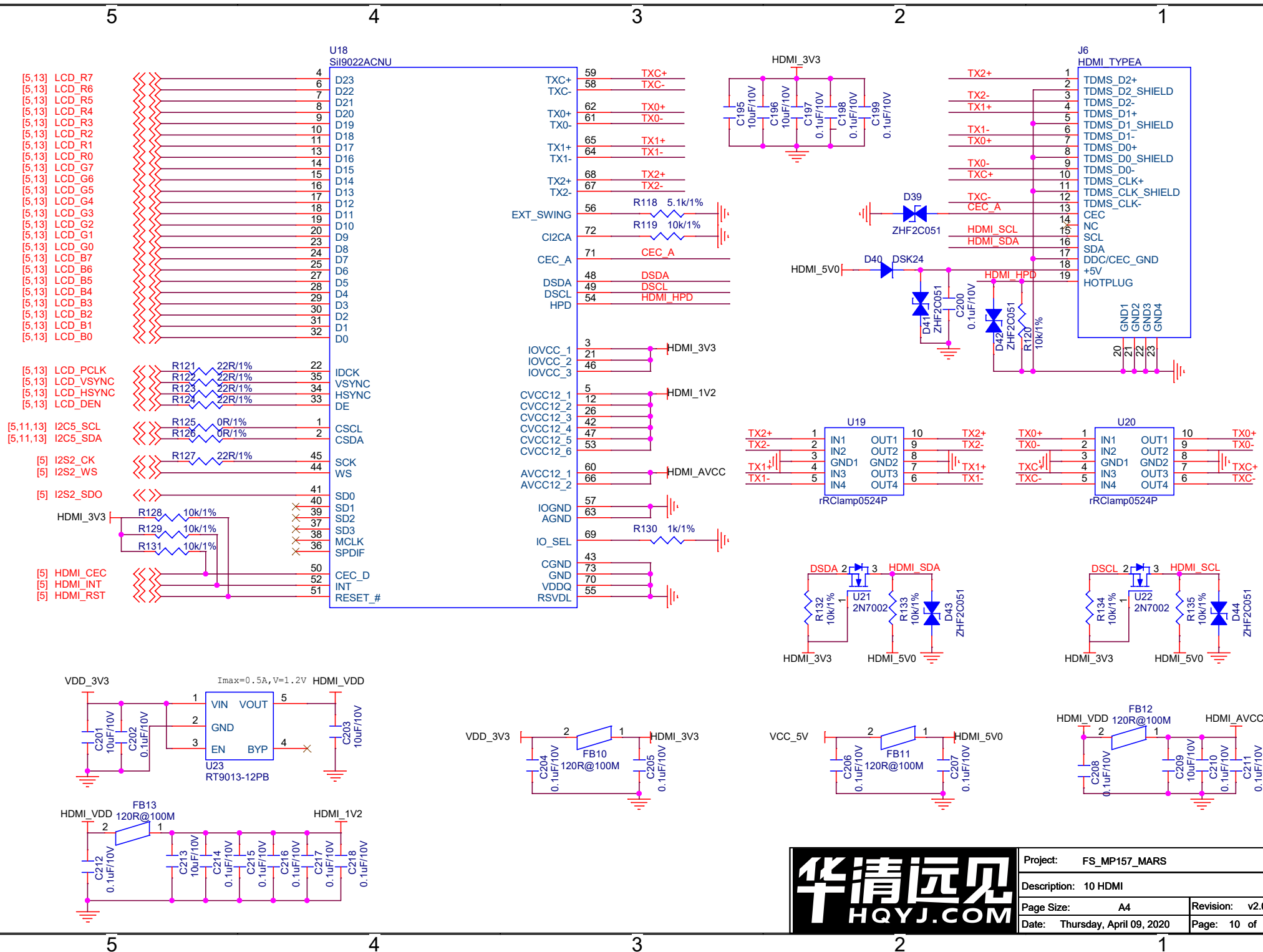


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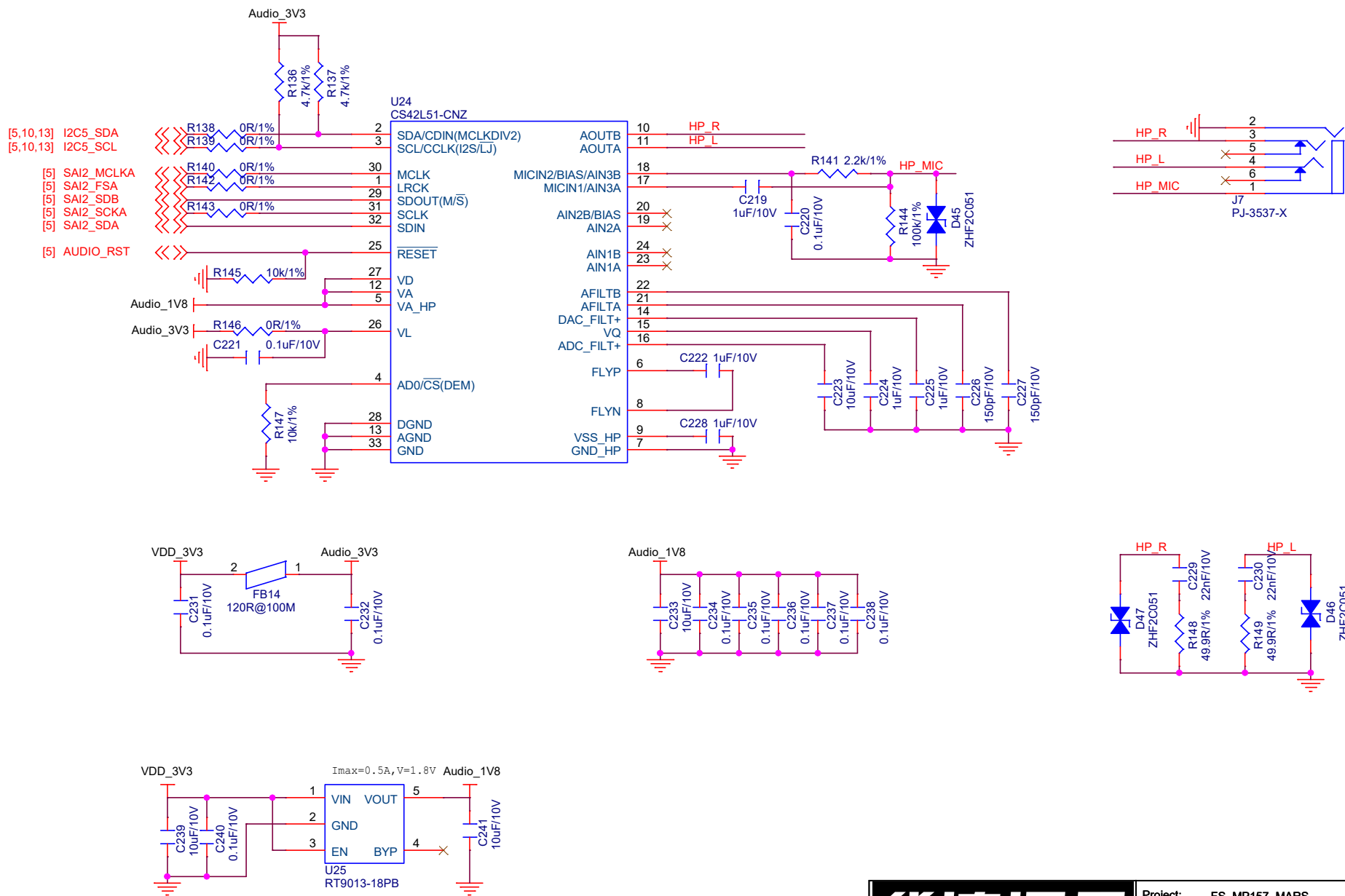


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Project: FS_MP157_MARS

Description: 11 Audio

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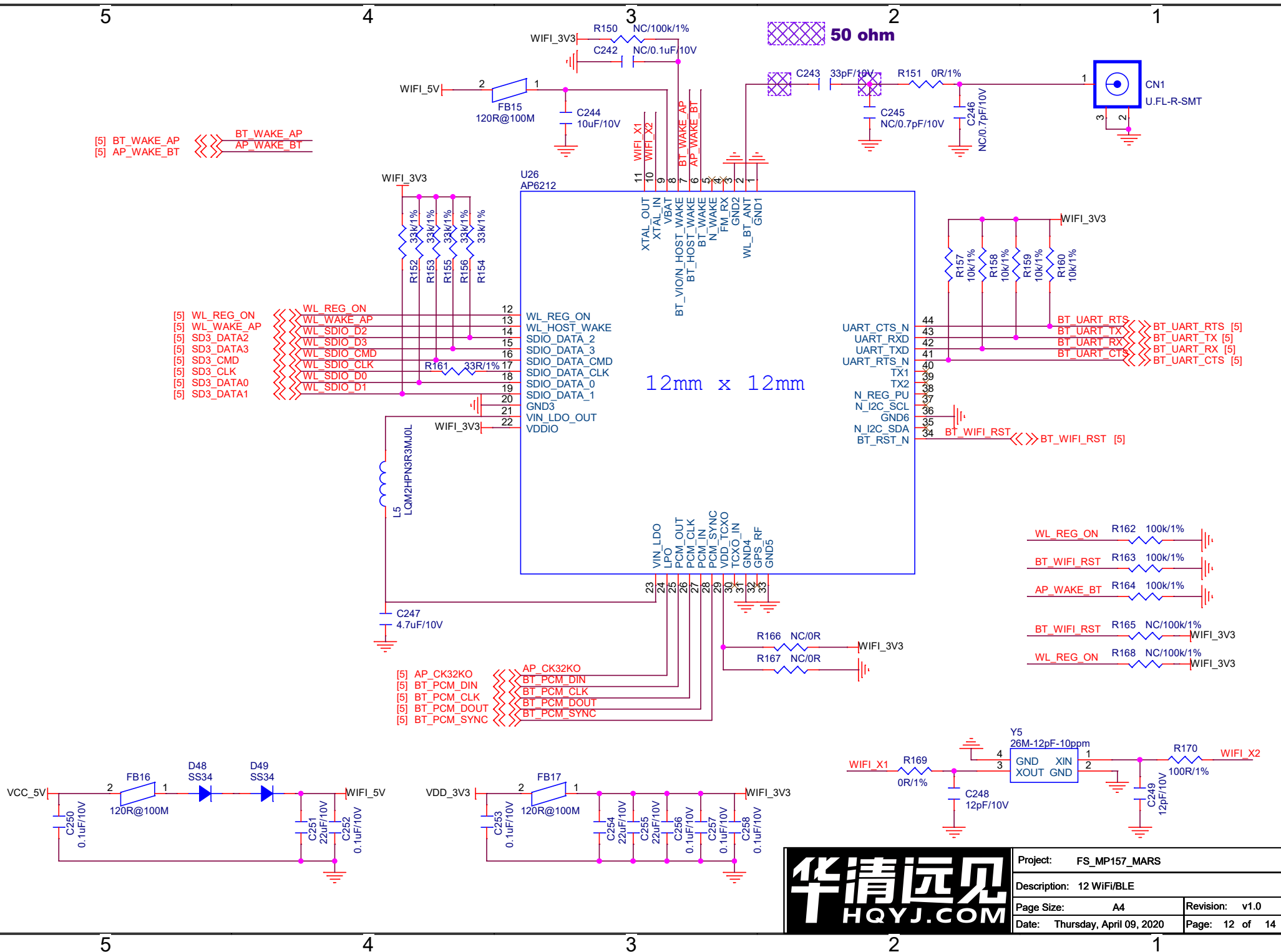
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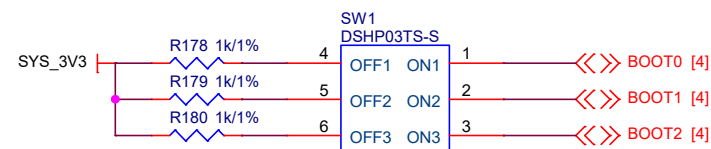
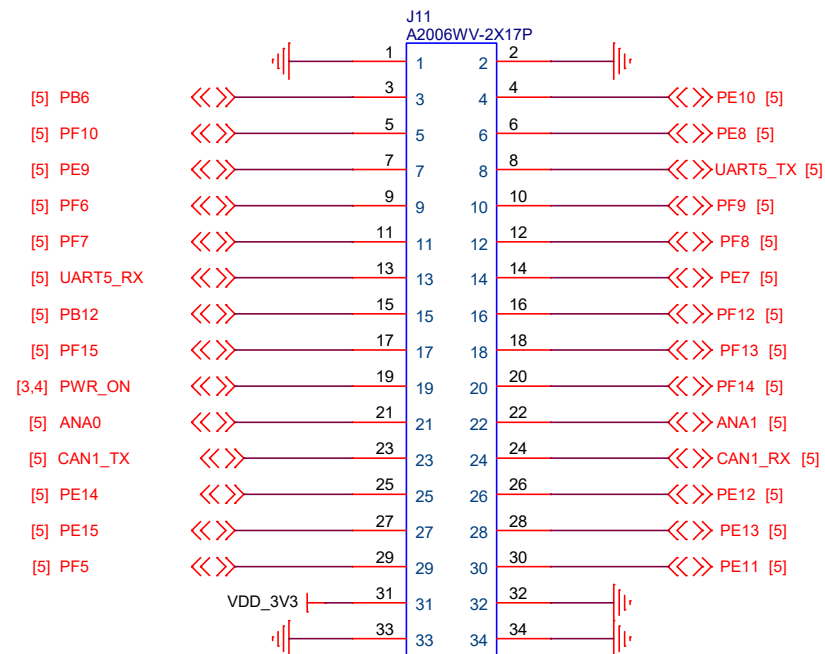
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|--------------------------------|----------------|
| Project: FS_MP157_MARS | |
| Description: 12 WiFi/BLE | |
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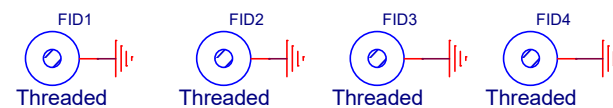
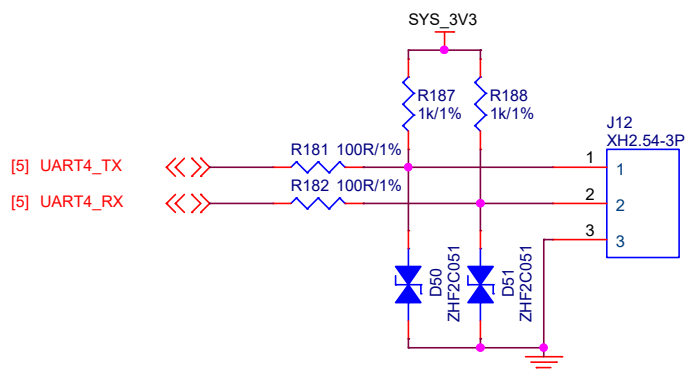


| BOOT Mode | BOOT2 | BOOT1 | BOOT0 |
|------------------------------|-------|-------|-------|
| Reserver | 1 | 0 | 0 |
| Serial NOR-Flash on QUADSPI | 0 | 0 | 1 |
| Serial NAND-Flash on QUADSPI | 1 | 1 | 1 |
| NAND-Flash | 0 | 1 | 1 |
| eMMC | 0 | 1 | 0 |
| SD-Card | 1 | 0 | 1 |
| UART and USB | 1 | 1 | 0 |
| | 0 | 0 | 0 |

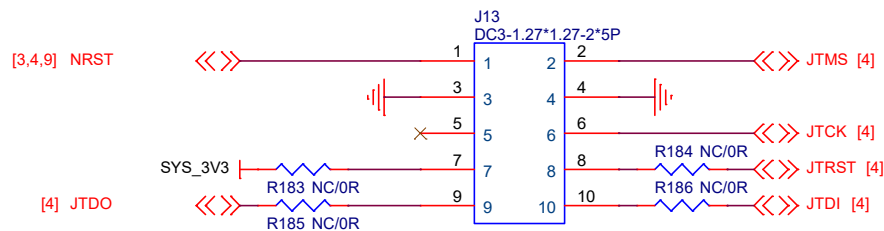
"0" is floating signal or grounded

"1" is signal with pullup or tied to VDD

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Description: 14 GPIO/UART/BOOT/JTAG

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