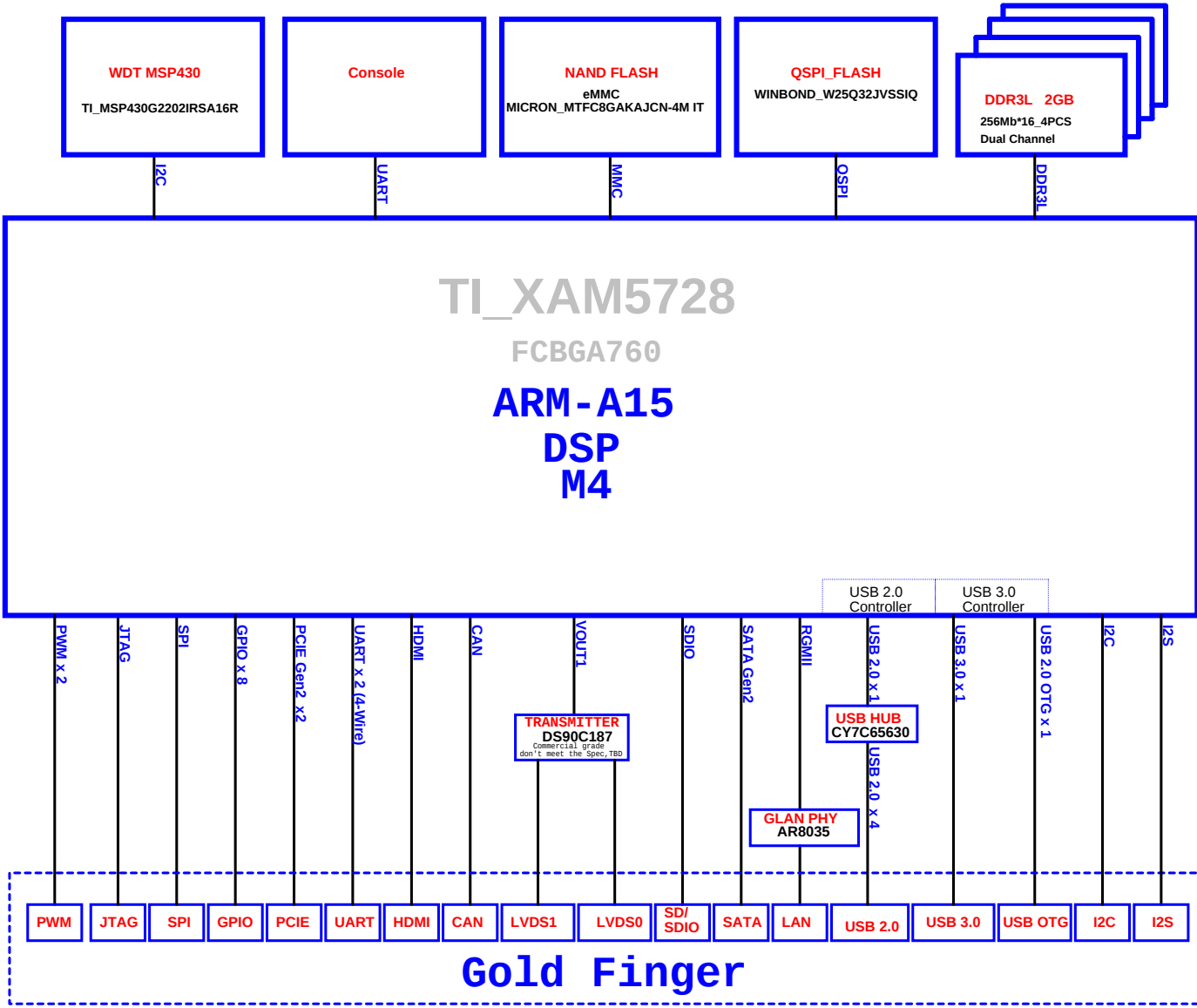
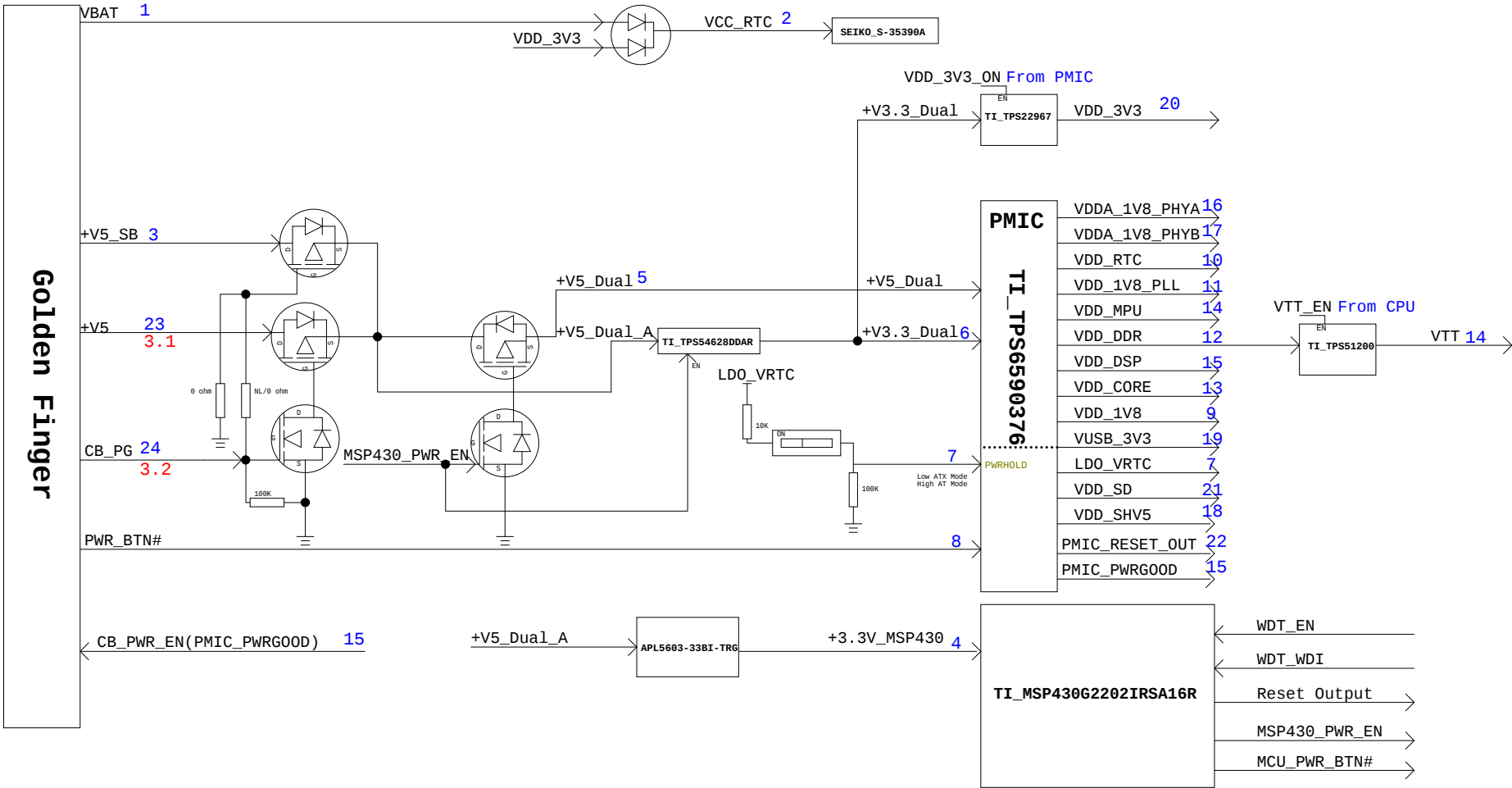


ROM-7510(A101-3)

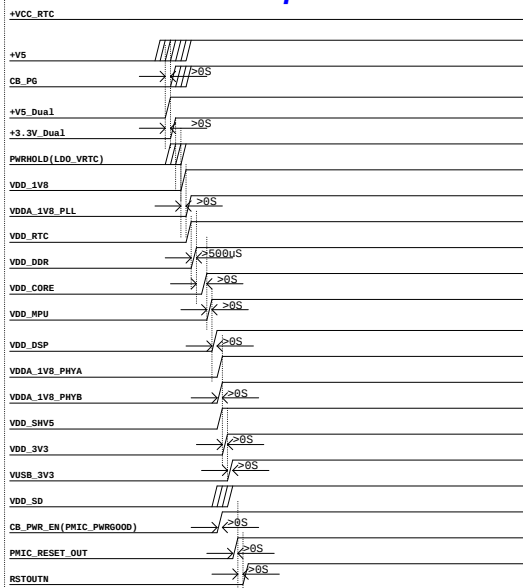
| Page | Description                    |
|------|--------------------------------|
| 01   | Index                          |
| 02   | Block Diagram                  |
| 03   | Power Map                      |
| 04   | Power Sequence                 |
| 05   | Reset & I2C Address & CLK      |
| 06   | Golden Finger                  |
| 07   | RTC & PMIC & Sensor            |
| 08   | AM5728_1 SATA&JTAG&QSPI        |
| 09   | AM5728_2 DDR3L Bank1           |
| 10   | AM5728_3 DDR3L Bank2           |
| 11   | AM5728_4 USB & RESET & CONTROL |
| 12   | AM5728_5 eMMC & SD             |
| 13   | AM5728_6 POWER & GND           |
| 14   | AM5728_7 ETHERNET              |
| 15   | LVDS0 & LVDS1                  |
| 16   | MSP430 & Clamp                 |
| 17   | CLK GEN & USB HUB              |
| 18   | DC_IN                          |
| 19   | MISC                           |
| 20   | History(A101-1)                |
| 21   | History(A101-2)                |
| 22   | History(A101-3)                |



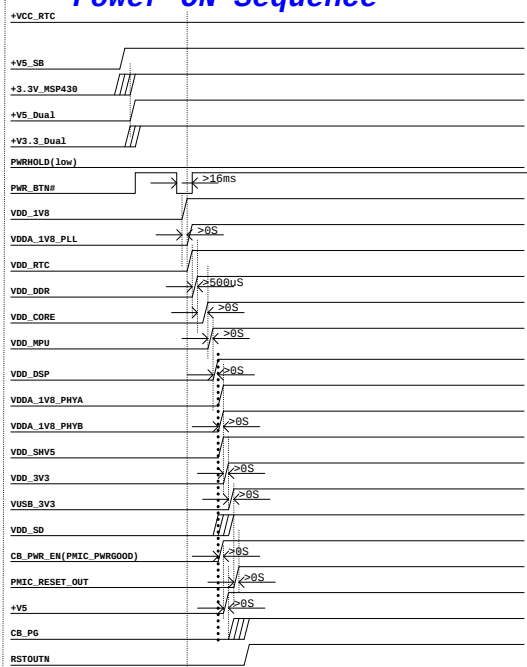
Power Delivery Map



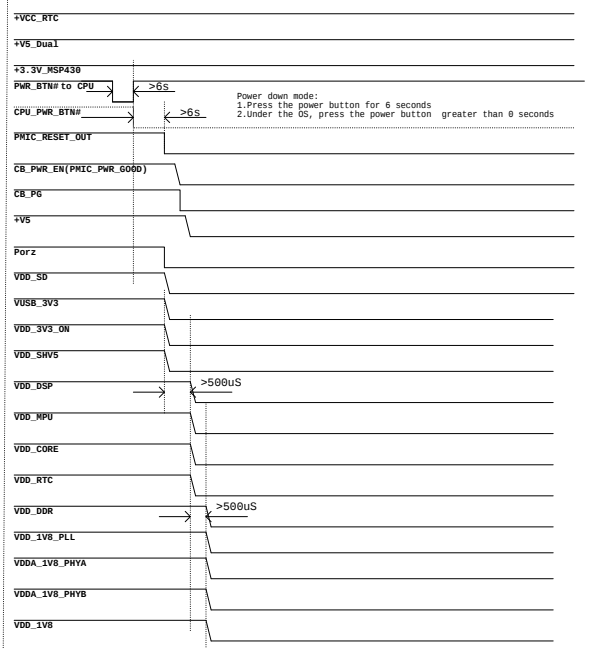
## AT Power ON Sequence

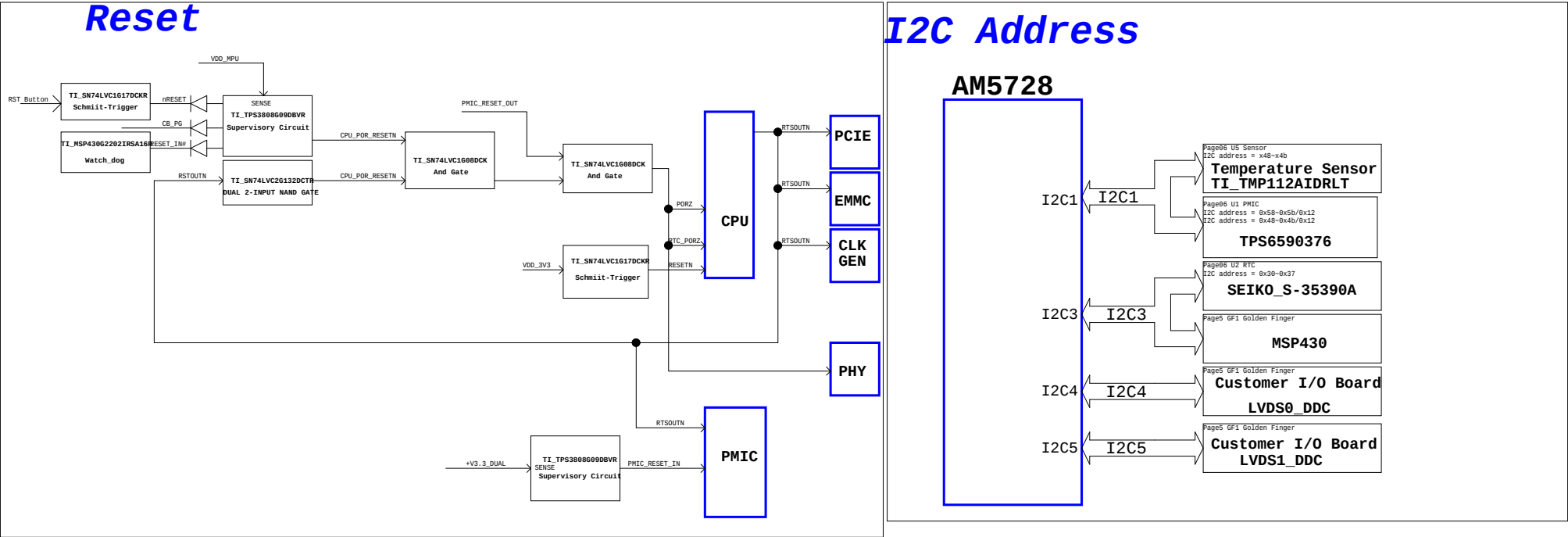


## ATX Power ON Sequence

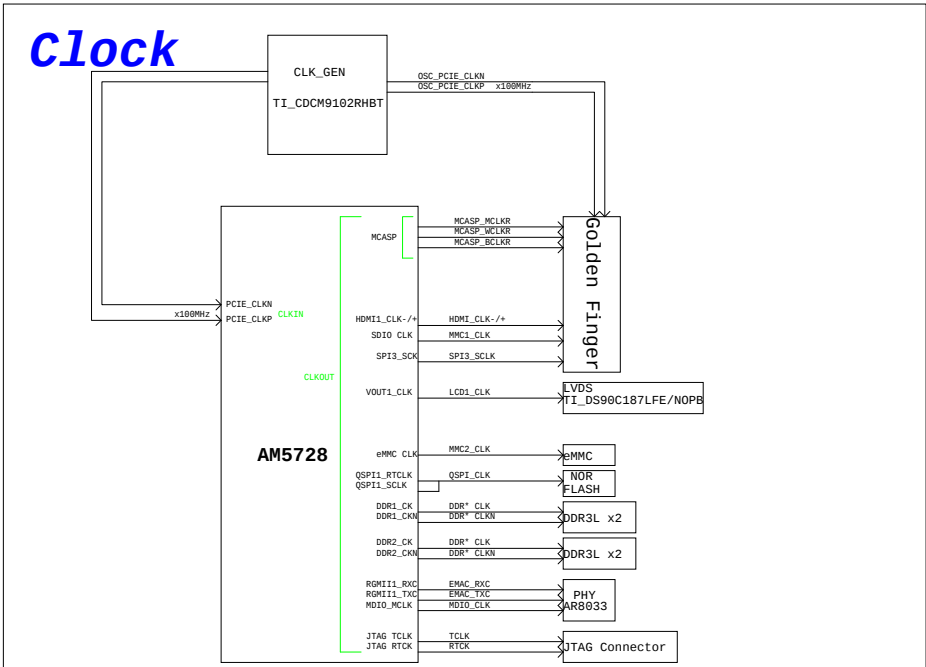


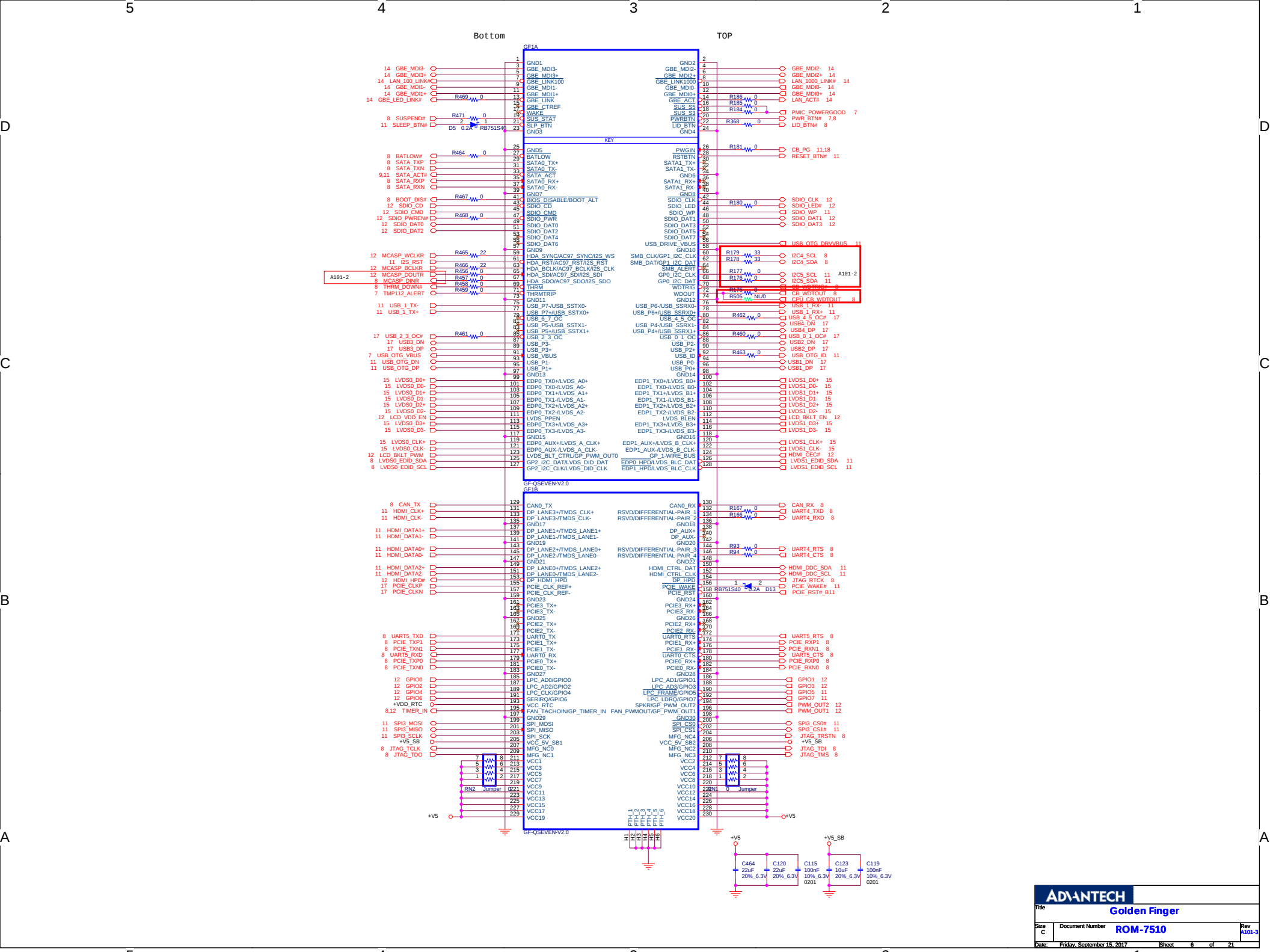
**ATX**  
**Button Power OFF**



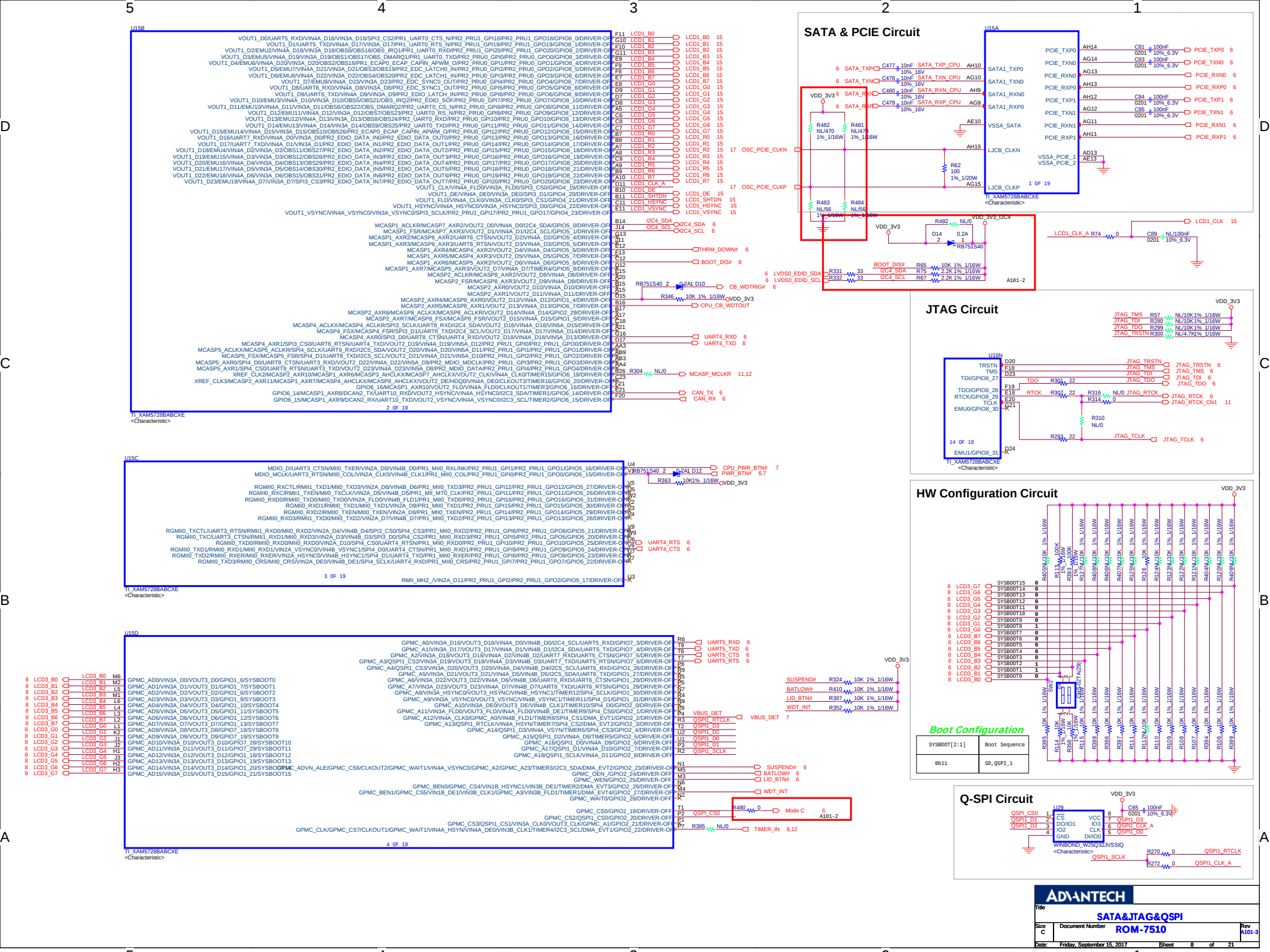


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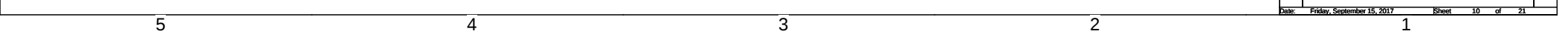


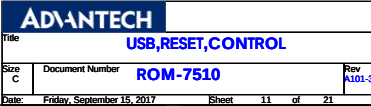


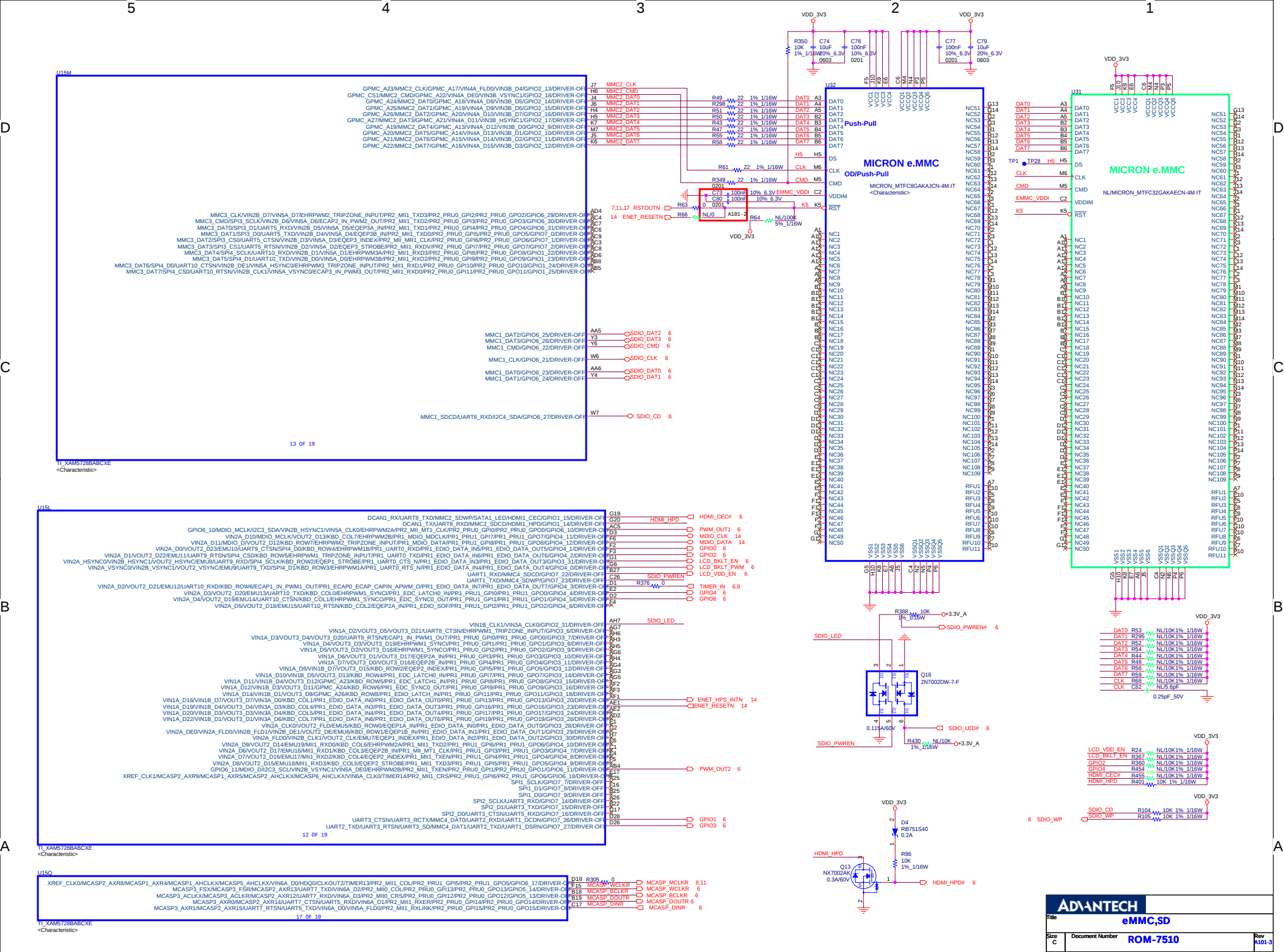


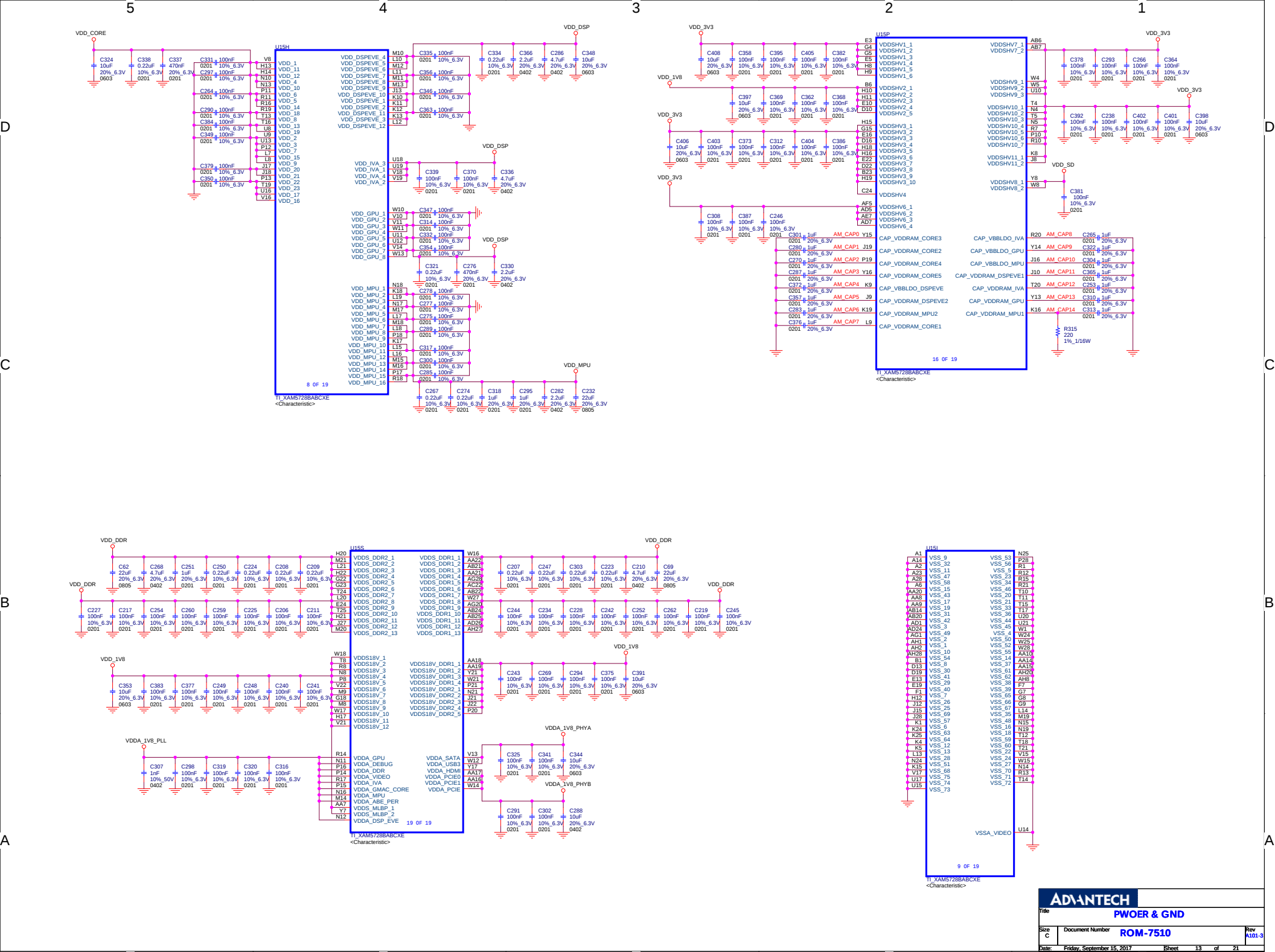
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|----------------|----------------------------|----------|---------|
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| SATA&JTAG&QSPI |                            |          |         |
| Size           | Document Number            | ROM-7510 | Rev     |
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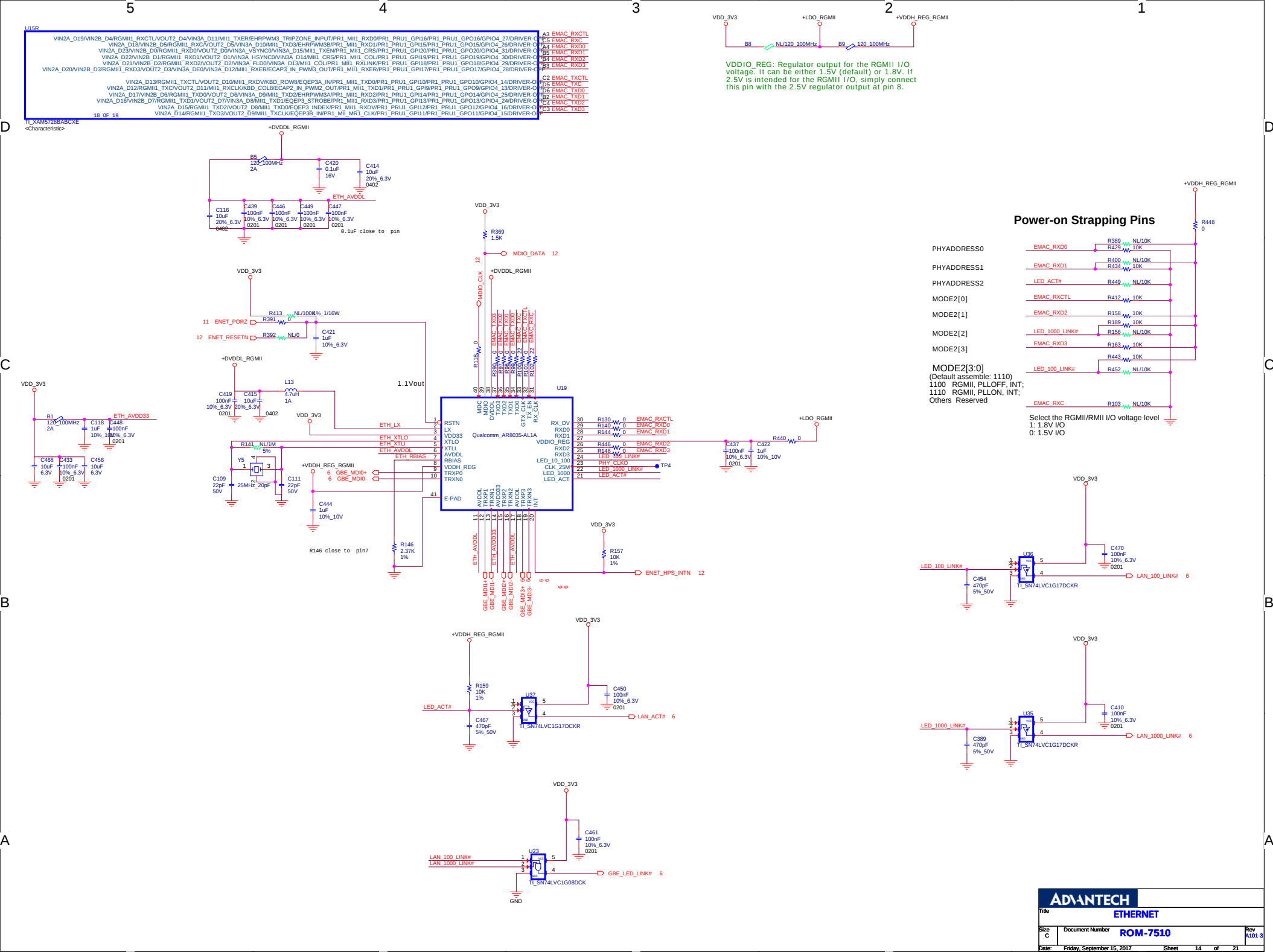


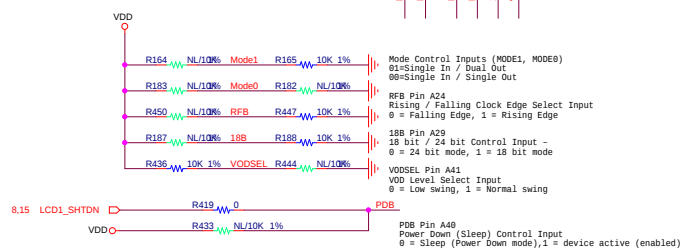
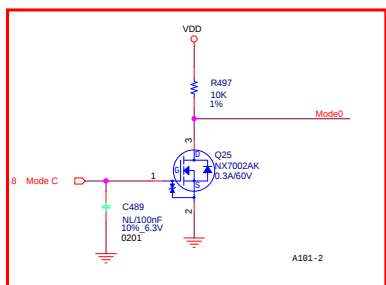
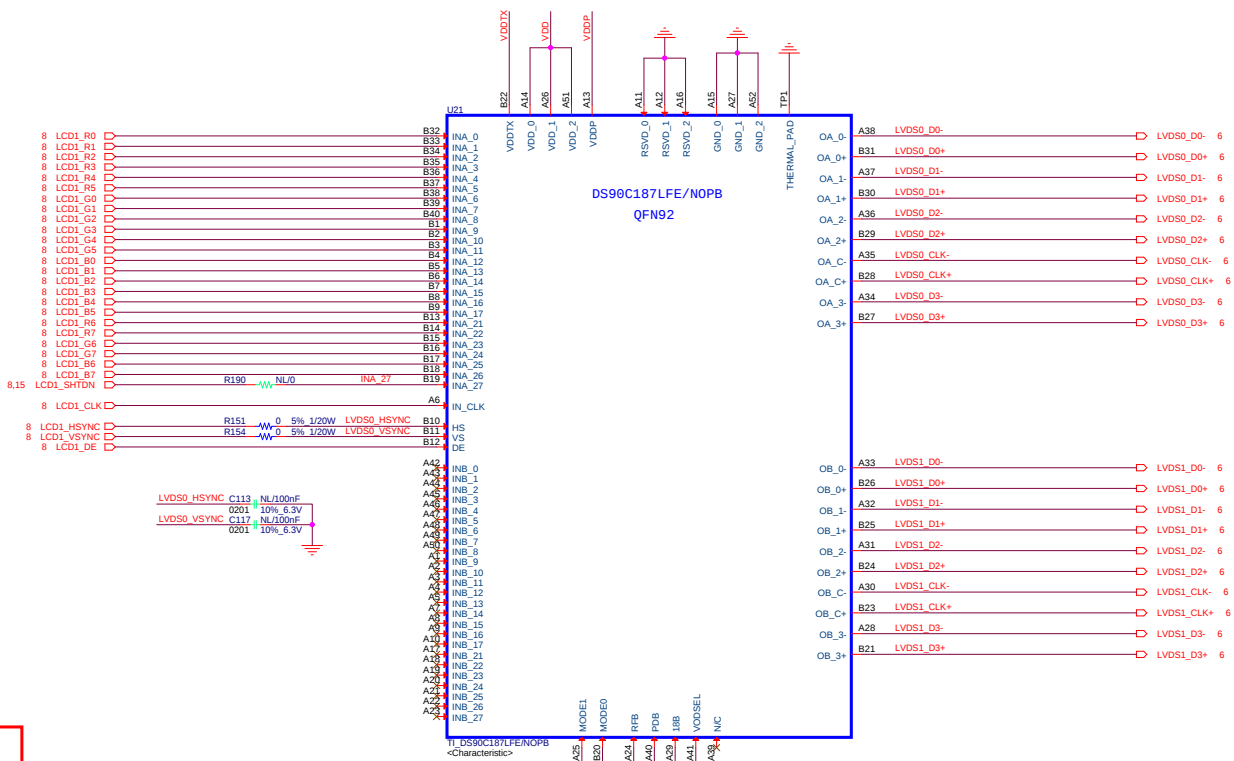
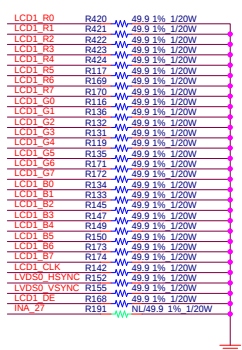
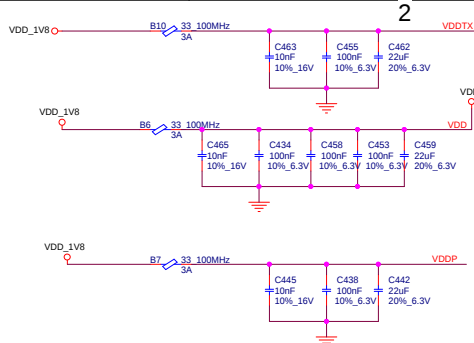
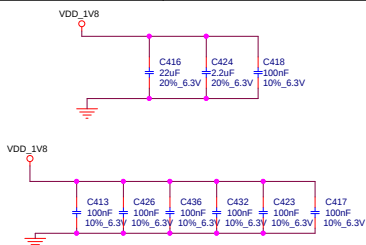


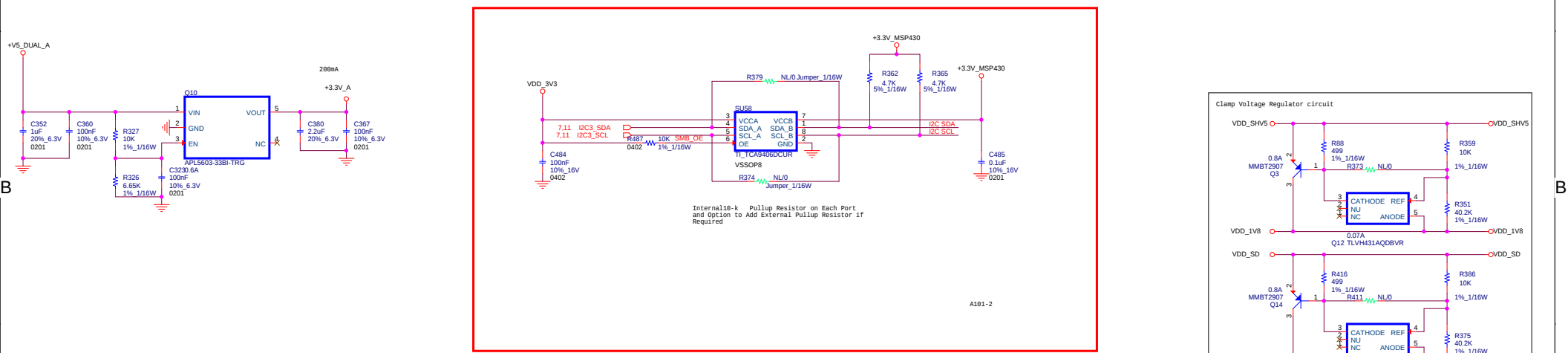
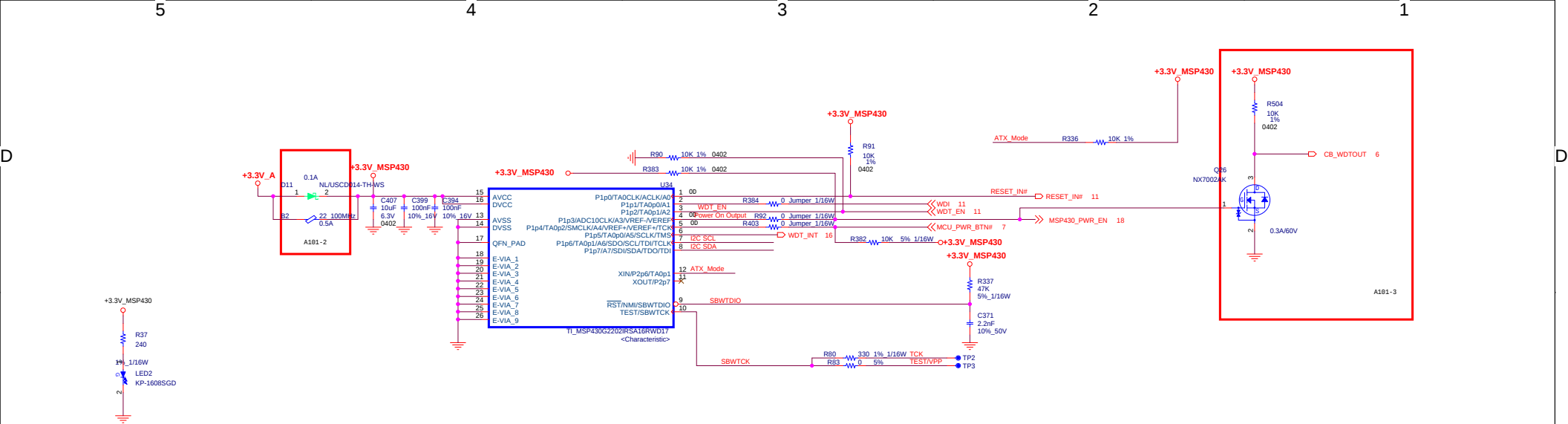


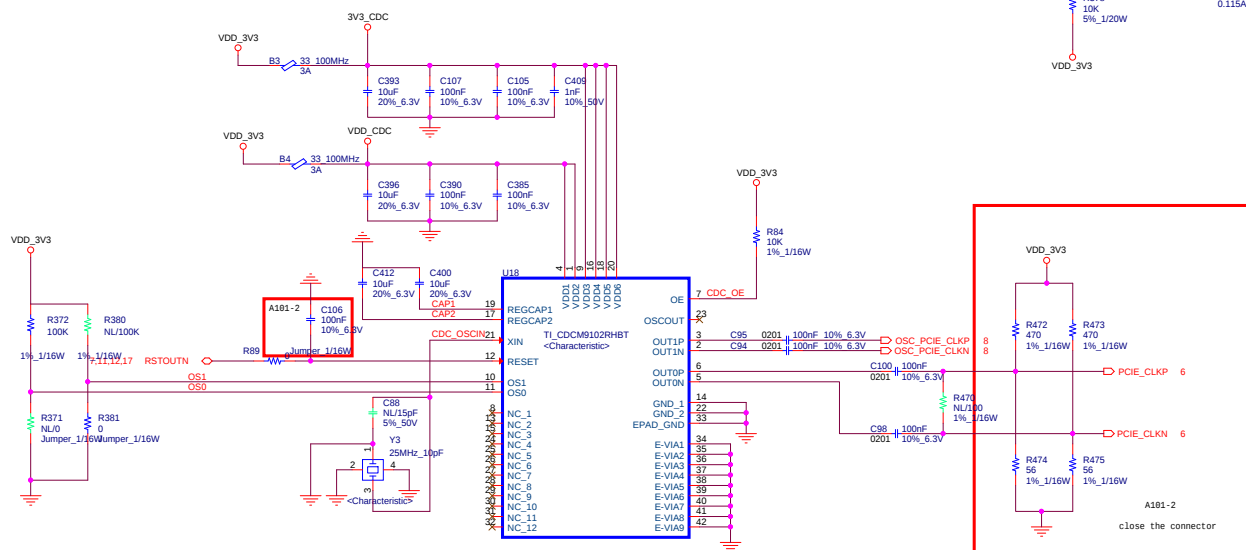
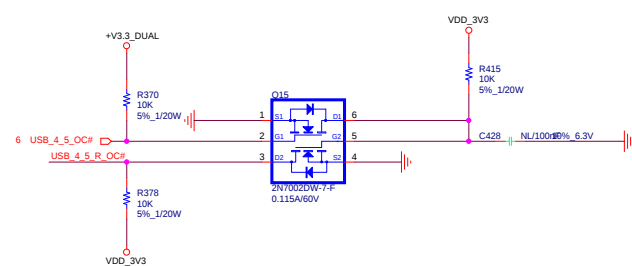
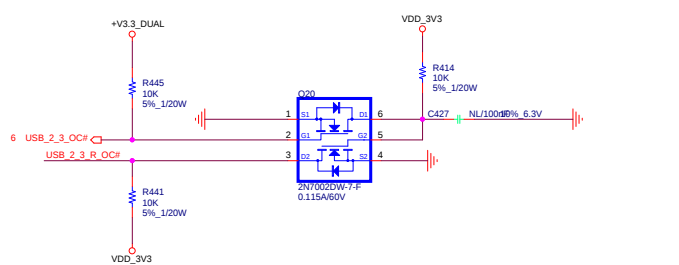
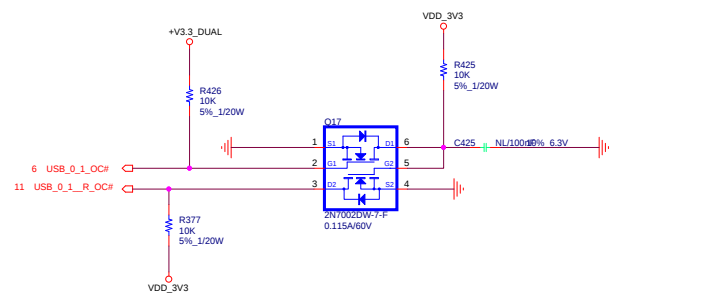
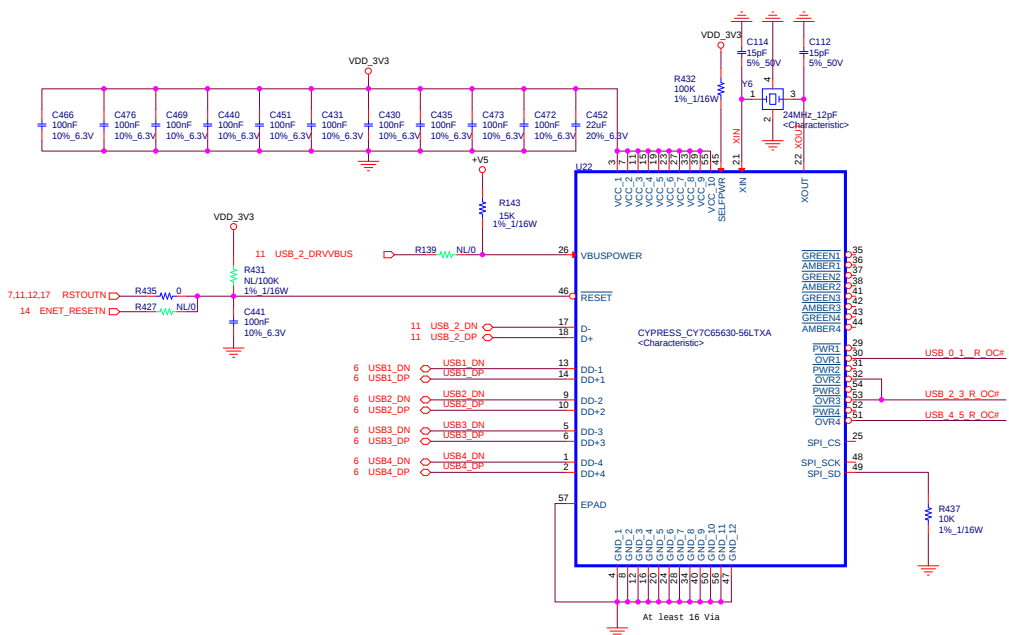














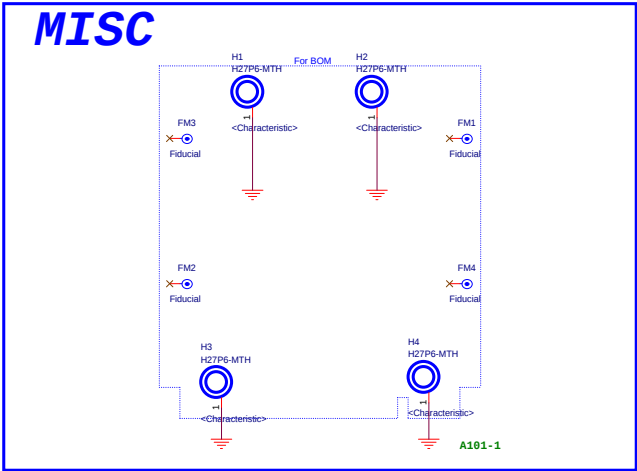
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| ADVANTECH |                            |                |
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| Title     |                            |                |
| MISC      |                            |                |
| Size      | Document Number            | Rev.           |
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|------------|----------|------------|--------------------------------------------|--------|------------|---------------|--|--|--|----------|-----------|---------|------------|
| Model Name | ROM-7510 |            | Version                                    | A101-2 | PCB Number | 19A6751001-01 |  |  |  | Designer | Weijie.li | Approve | Jacques.wu |
| Page       | Location | Date       | Modification List                          |        |            |               |  |  |  |          |           |         | ECOM       |
| 11         | SPI      | 2017/06/06 | delete R493,R494,R495,R496                 |        |            |               |  |  |  |          |           |         |            |
| 11         | SPI      | 2017/06/06 | modify R488 and R489 to 47ohm,R342 to 2.2K |        |            |               |  |  |  |          |           |         |            |
|            |          |            |                                            |        |            |               |  |  |  |          |           |         |            |
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| Title           |                            |       |          |
| History(A101-2) |                            |       |          |
| Size            | Document Number            |       | Rev.     |
| C               | ROM-7510                   |       | A101-3   |
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| Model Name | ROM-7510 |            | Version                     | A101-3 | PCB Number | 19A6751002-01 |  | Designer | Weijie.li | Approve | Jacques.wu |
| Page       | Location | Date       | Modification List           |        |            |               |  |          |           |         | ECOM       |
| 12         | SPI      | 2017/07/12 | Add Q26_R505,R504 for WDQUT |        |            |               |  |          |           |         |            |
|            |          |            |                             |        |            |               |  |          |           |         |            |
|            |          |            |                             |        |            |               |  |          |           |         |            |
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| Title           |                                           |        |
| History(A101-3) |                                           |        |
| Size            | Document Number                           | Rev    |
| C               | ROM-7510                                  | A101-3 |
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