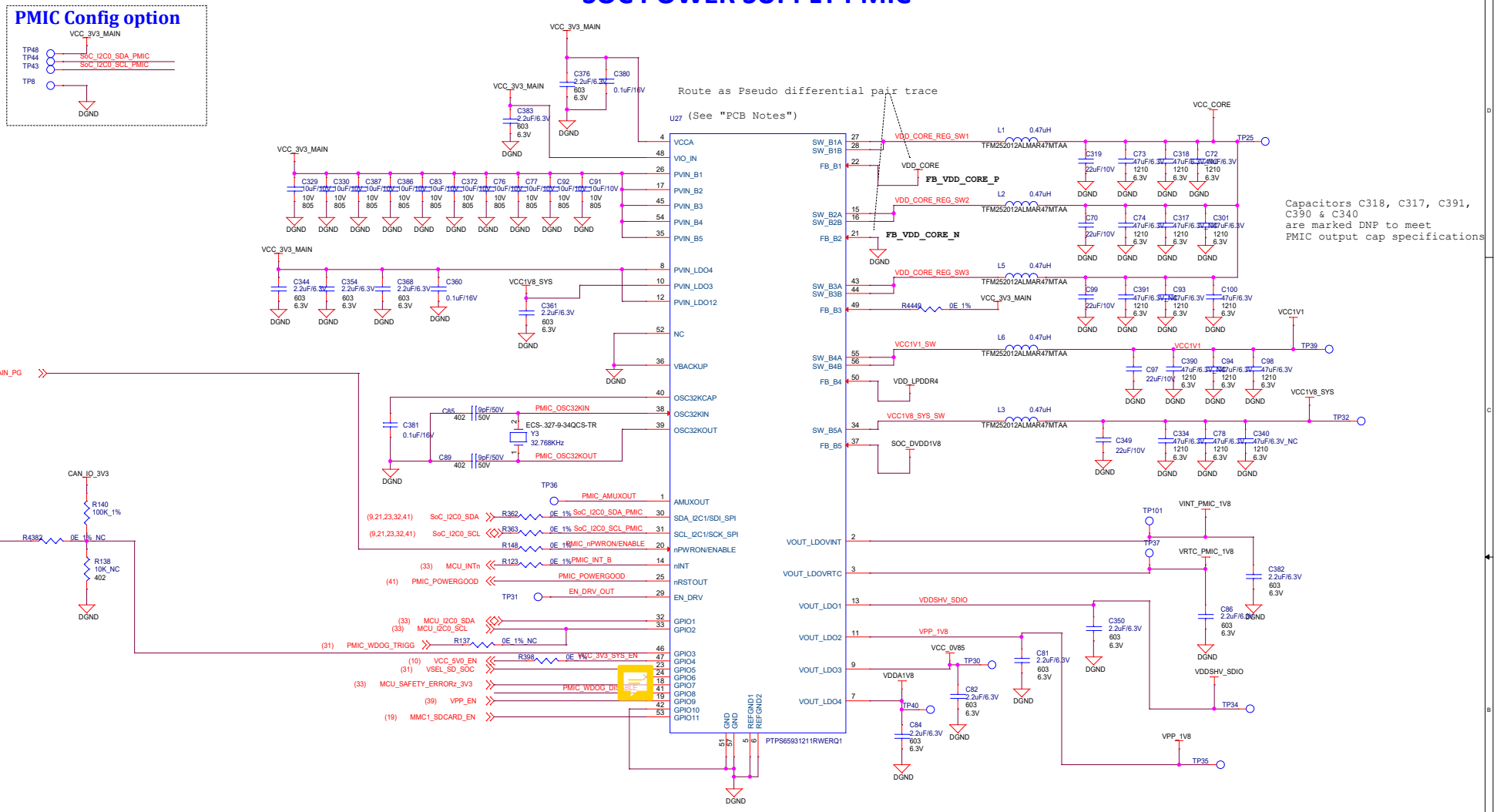
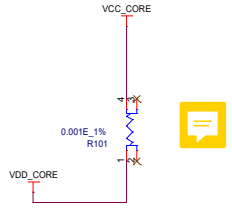
# SOC POWER SUPPLY PMIC



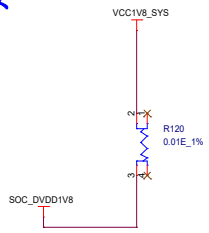
# CURRENT MONITORING DEVICES

量产时该部分都直接短接

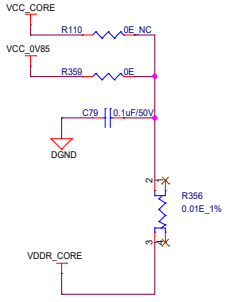
## VDD_CORE



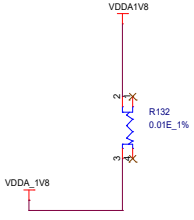

## SoC_DVDD1V8



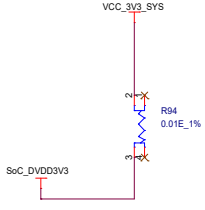

## VDDR_CORE



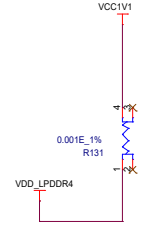

## VDDA_1V8




## SoC_DVDD3V3




## VDD_LPDDR4




| POWER SOURCE | SUPPLY NET | |
|---|---|---|
| VCC_CORE | VDD_CORE | |
| VCC_0V85 | VDDR_CORE | |
| VCC_3V3_SYS | SoC_DVDD3V3 | |
| VCC_1V8 | SoC_DVDD1V8 | |
| VDDA1V8 | VDDA_1V8 | |
| VCC1V1 | VDD_LPDDR4 | |

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TEXAS INSTRUMENTS MISTRAL

| | | | |
|---|---|---|---|
| Title | CURRENT MONITORING DEVICES | | |
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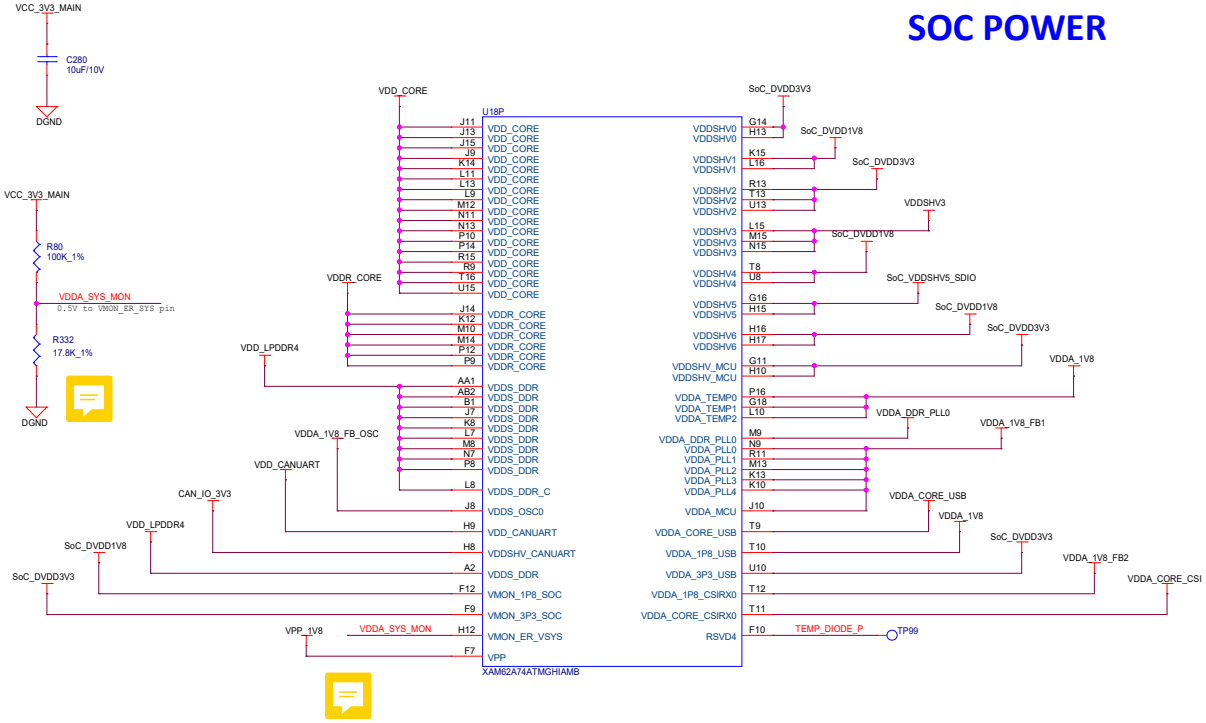
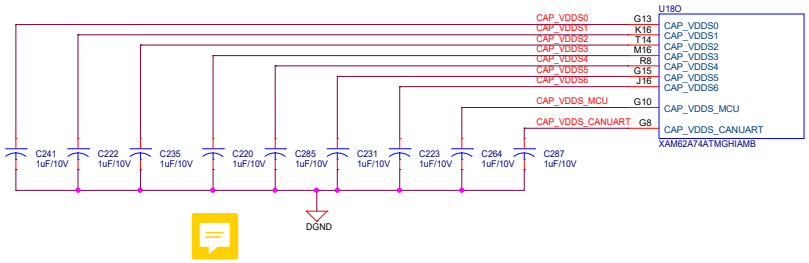
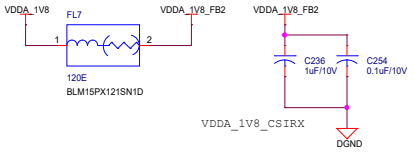
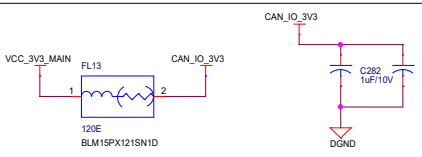
# SOC POWER

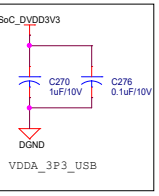


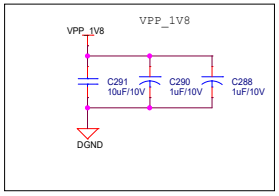



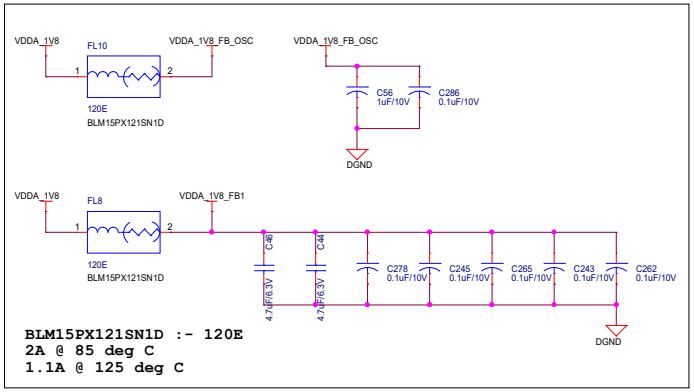

## 1.8V Analog SUPPLY



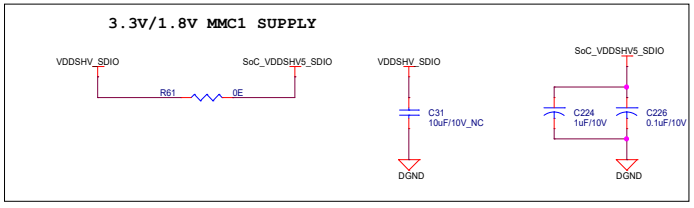



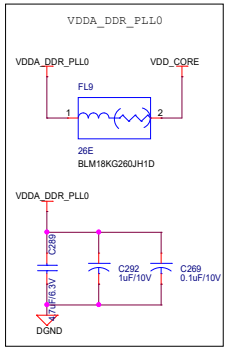



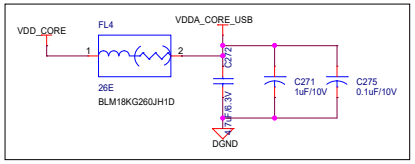



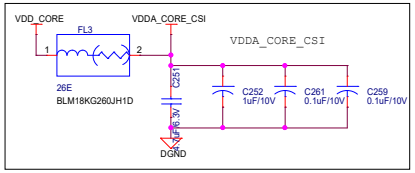

## 3.3V/1.8V MMC1 SUPPLY

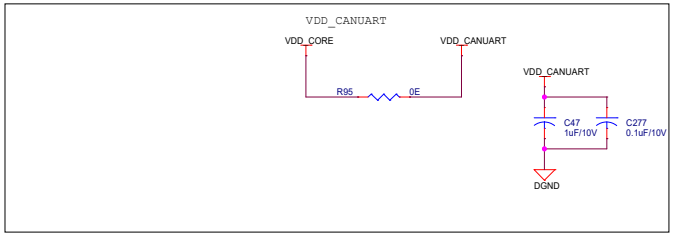



## CORE SUPPLY

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| | | | |
|---|---|---|---|
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| Size | | | Rev |
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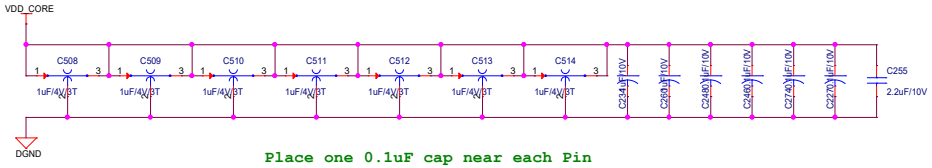
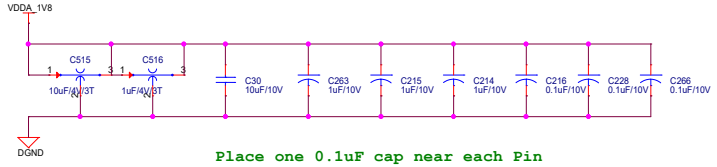
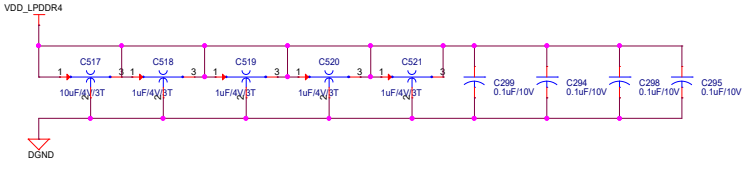
# SOC POWER DECAPS



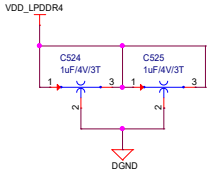

Place one 0.1uF cap near each Pin

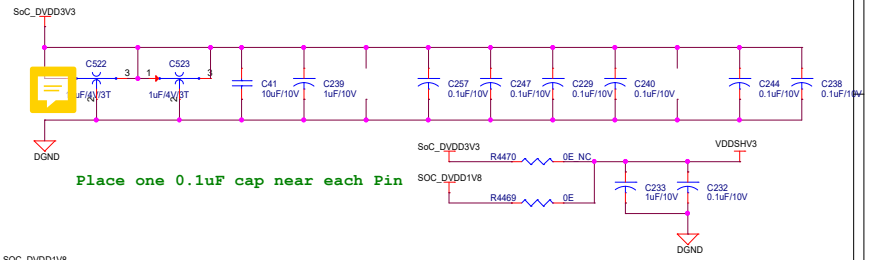



Place one 0.1uF cap near each Pin

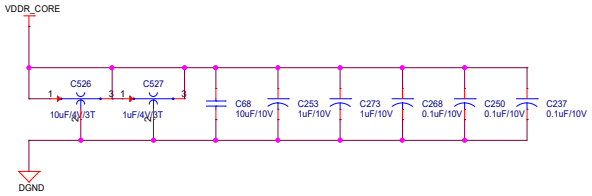



Place one 0.1uF cap near each Pin

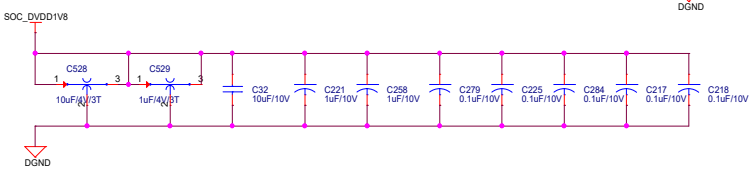



Place one 0.1uF cap near each Pin

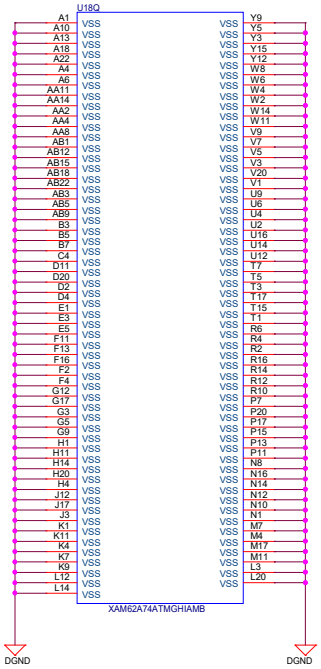



Place one 0.1uF cap near each Pin




Place one 0.1uF cap near each Pin

# SOC VSS

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| | | | |
|---|---|---|---|
| Title | SOC POWER CAPS & SOC VSS | | |
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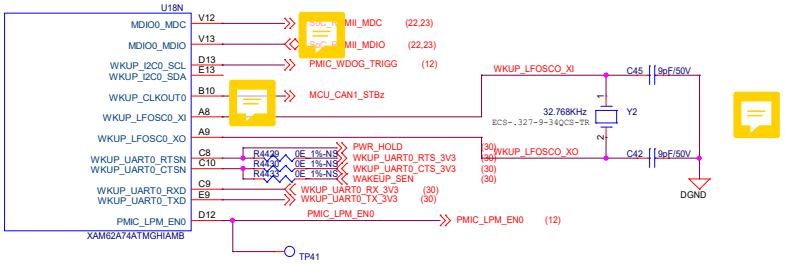
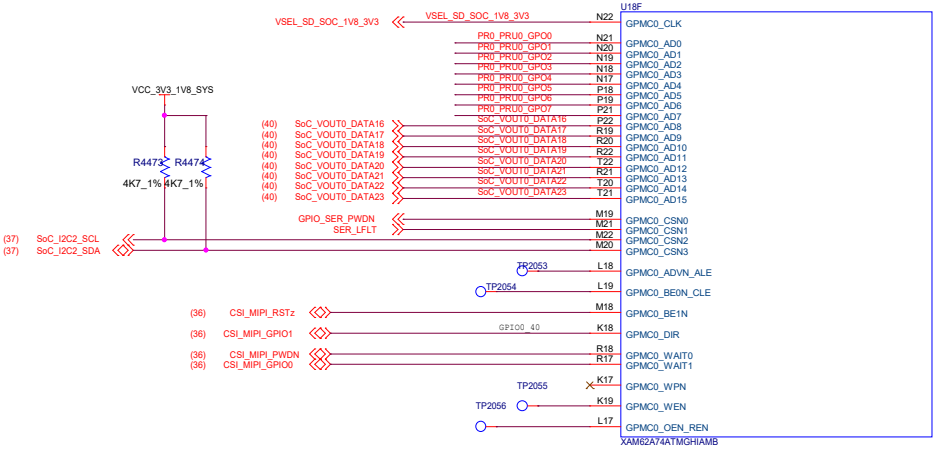
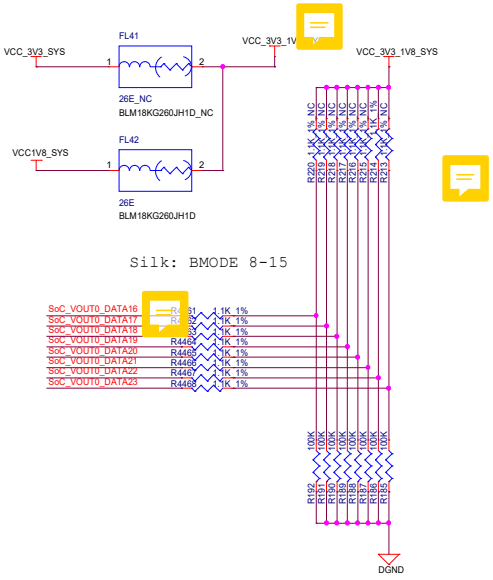
## SOC WKUP DOMAIN

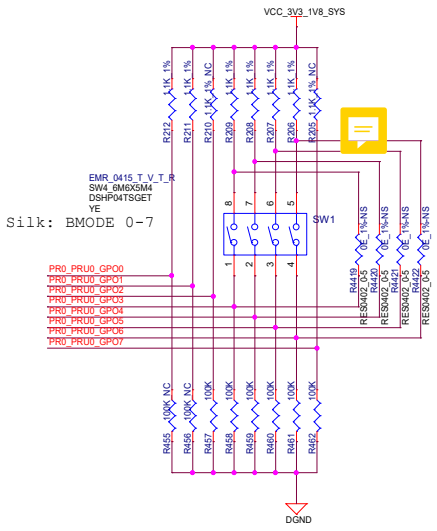



## SOC GPMC




## BOOT MODE SWITCHES




### BOOT MODES SUPPORTED

1. OSPI
2. MMC1 - SD CARD
3. UART
4. eMMC
5. ETHERNET
6. USB0 DFU
7. USB0 MS

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| | | | |
|---|---|---|---|
| Title: | SOC WKUP & GPMC | | |
| Size: C | PROC135E2_SCH | | Rev: E2 |
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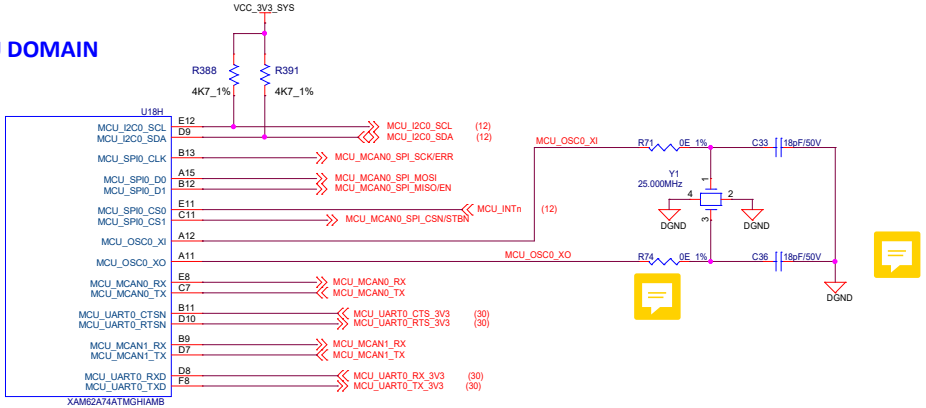
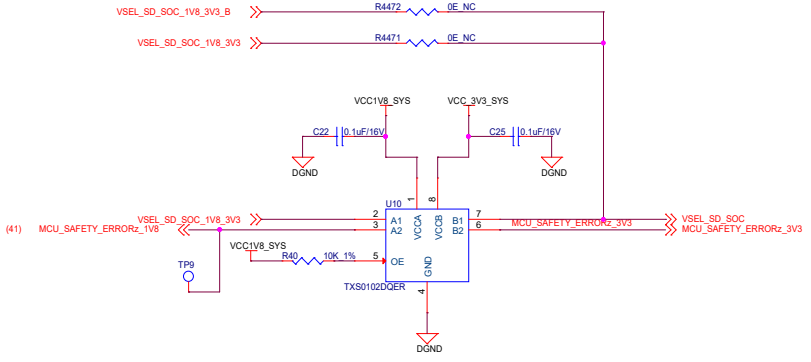
## SOC - MCU DOMAIN




## MCU_UART0 MUX

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| | | |
|---|---|---|
| Title | MCU HEADER | |
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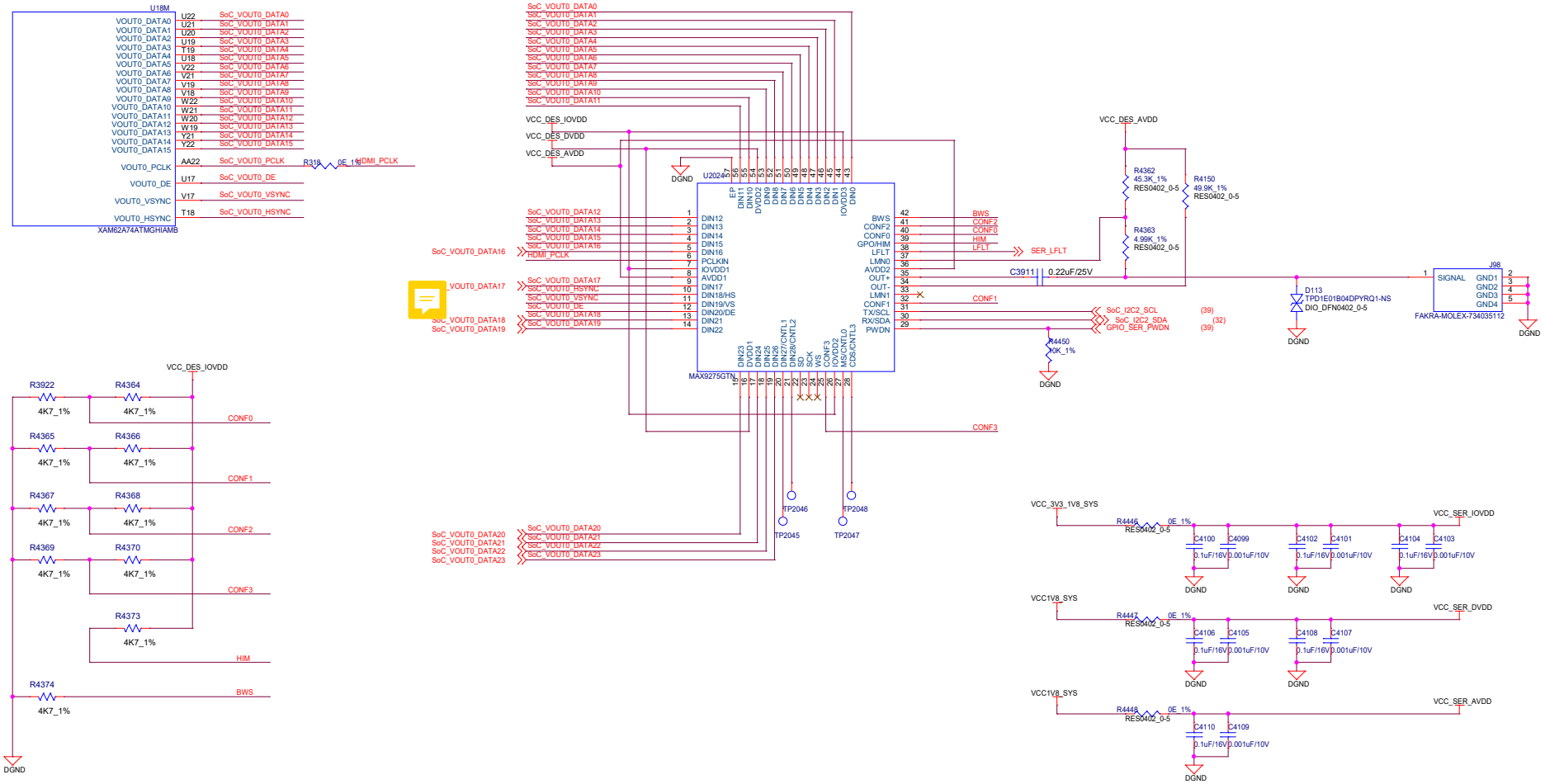
# HDMI INTERFACE

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| | | | |
|---|---|---|---|
| Title | HDMI INTERFACE | | |
| Size | PROC135E2_SCH | | Rev E2 |
| C | | | |
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