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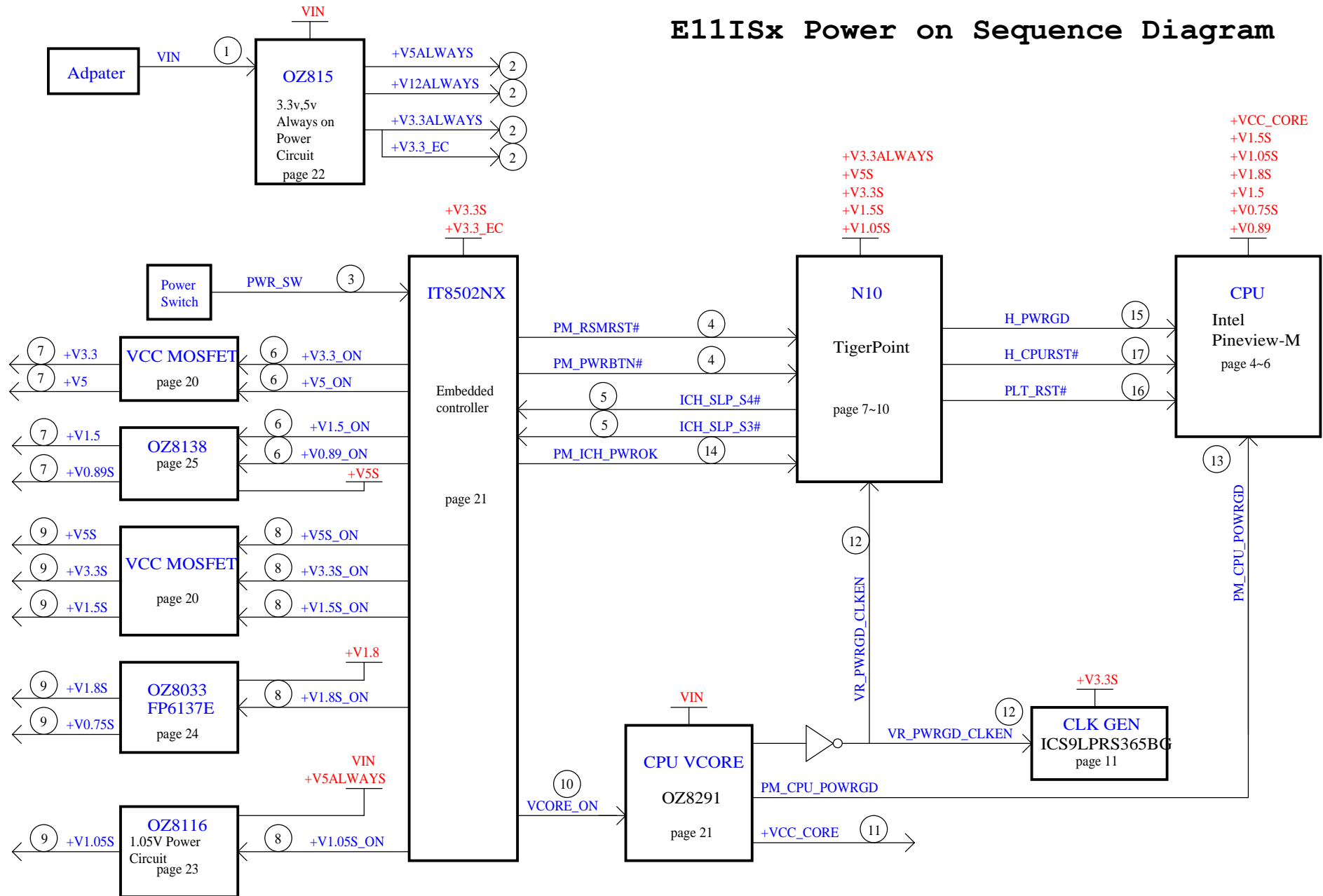
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3. System Block Diagram
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7. Trgerpoint 1/4
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15. LAN - RTL8103T
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17. 3G
18. WEBCAM/TP/RS232/EMI Request
19. EC IT8502NX
20. VCC MOSFET
21. +CPU_CORE (OZ8291)
22. +V3.3 / +V5(OZ815)
23. +V1.05S (OZ8116)
24. +V1.8S / +V0.75S
25. +V1.5/+V0.89S (OZ8138)
26. DC IN/BATT IN/Charger
27. IO LED & USB
28. IO CRT
29. IO AUDIO CDOEC

Power Rail

| | |
|-------------|--|
| +VCC_CORE | Core voltage for Processor(off in S3-S5) |
| +V1.05S | 1.05V switched power rail (off in S3-S5) |
| +V1.5 | 1.5V power rail (off in S4-S5) |
| +V0.75S | 0.75V switched power rail(off in S3-S5) |
| +V1.5S | 1.5V switched power rail (off in S3-S5) |
| +V0.89S | 0.89V switched power rail (off in S3-S5) |
| +V1.8S | 1.8V switched power rail (off in S4-S5) |
| +V5 | 5V power rail (off in S4-S5) |
| +V5S | 5V switched power rail (off in S3-S5) |
| +V5ALWAYS | 5V always on power rail |
| +V3.3ALWAYS | 3.3V always on power rail |
| +V3.3S | 3.3V switched power rail (off in S3-S5) |
| +V3.3 | 3.3V power rail (off in S4-S5) |

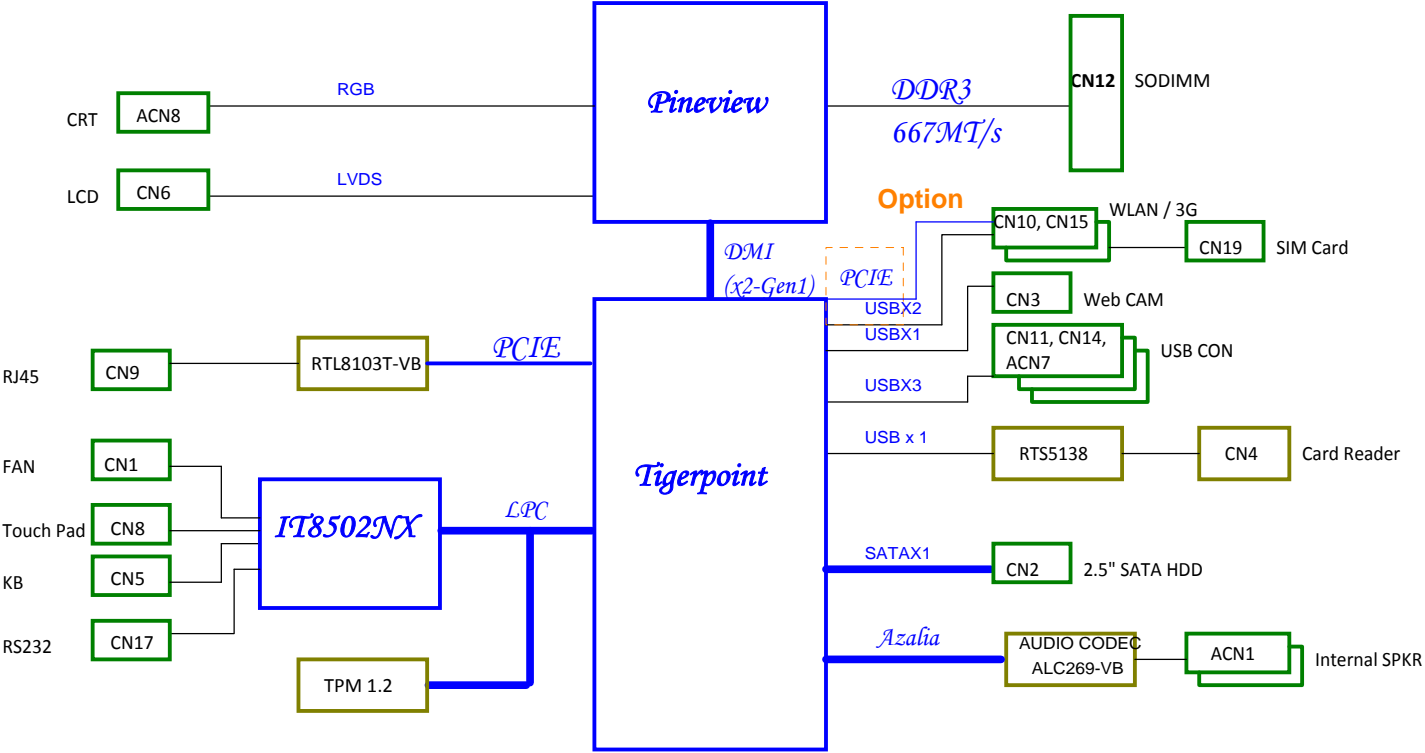
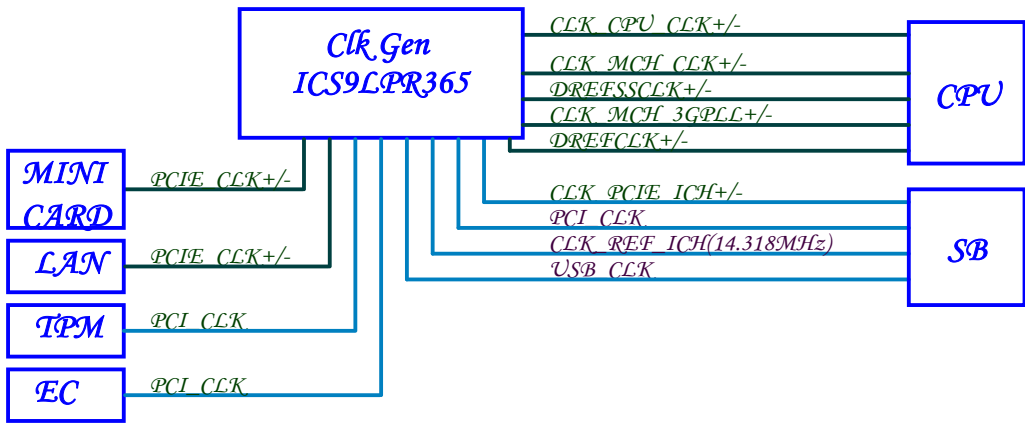
| | |
|------------|--|
| +V□□ALWAYS | Always on power rail |
| +V□□ | Switched power rail (off in S4 - S5) |
| +V□□S | Switched power rail (off in S3 - S5) |

E11ISx Power on Sequence Diagram

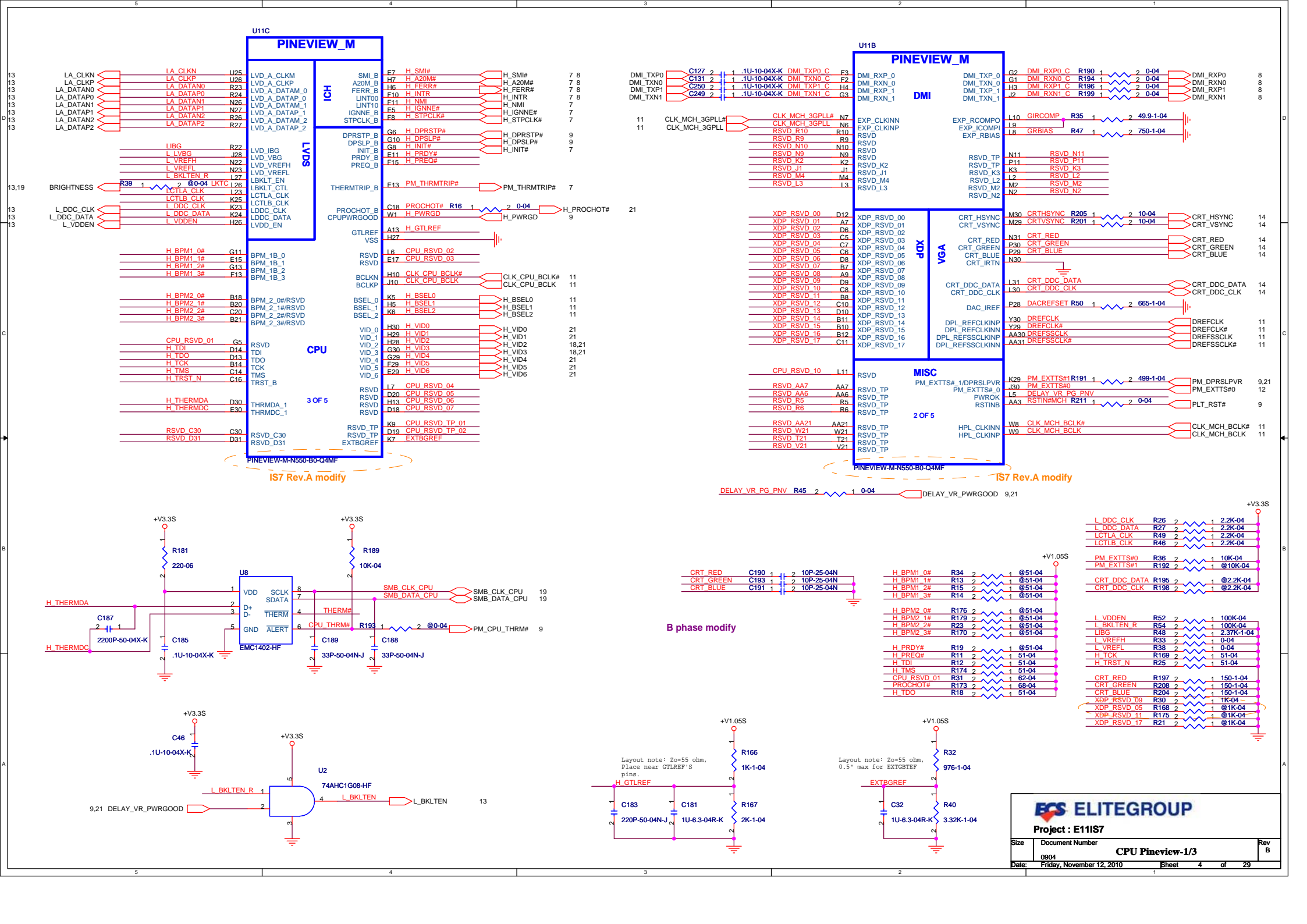


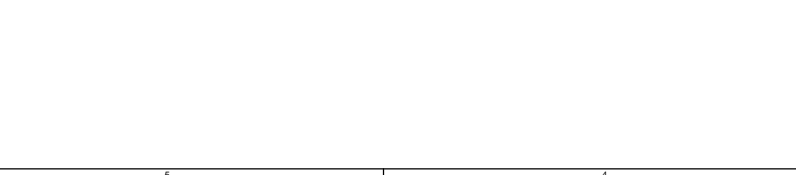
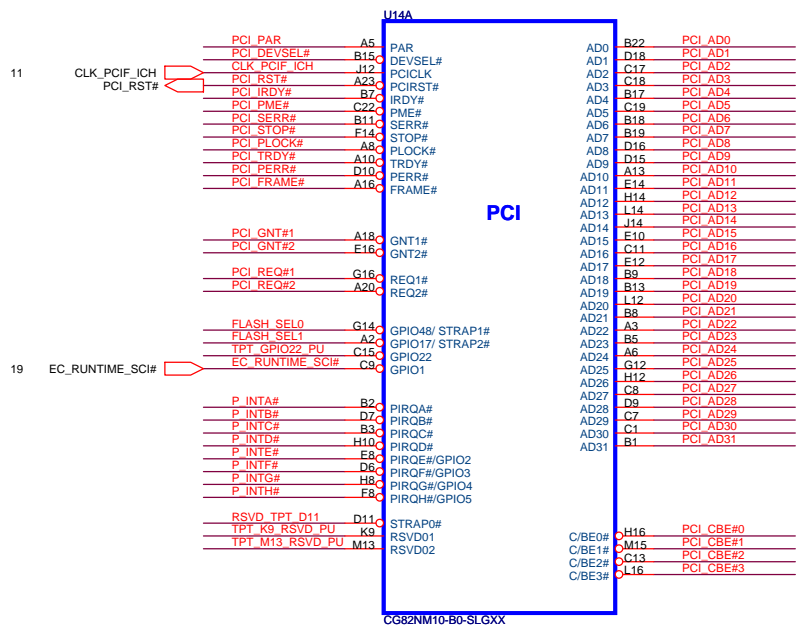
System Block Diagram

Clock delivery Block

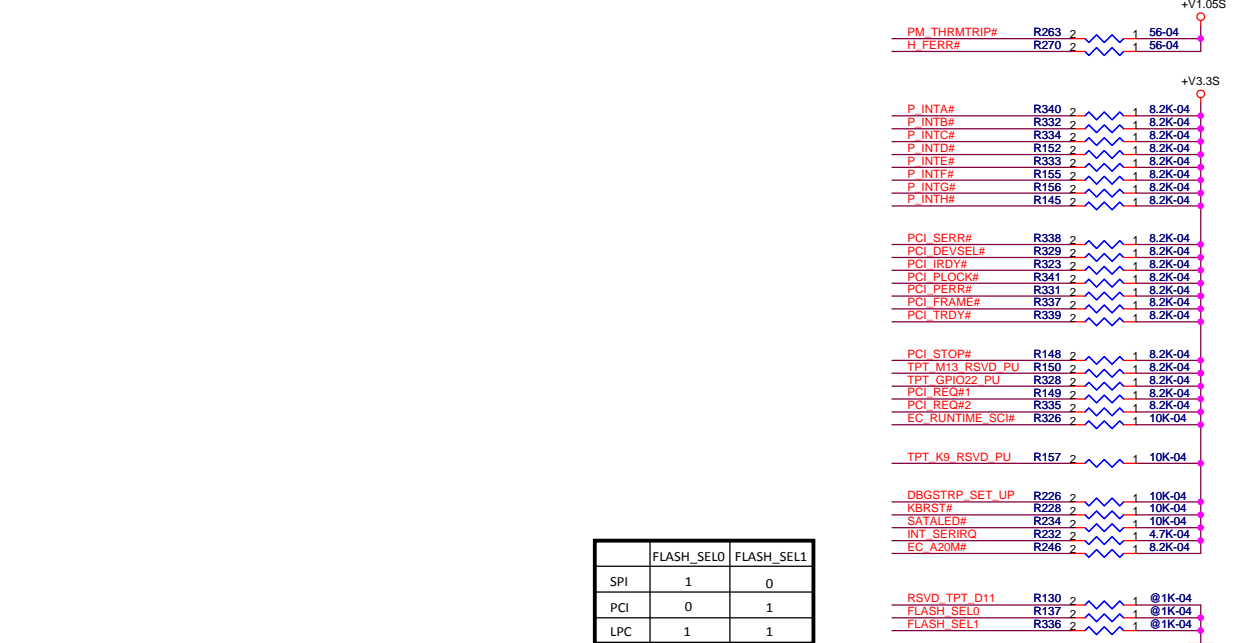
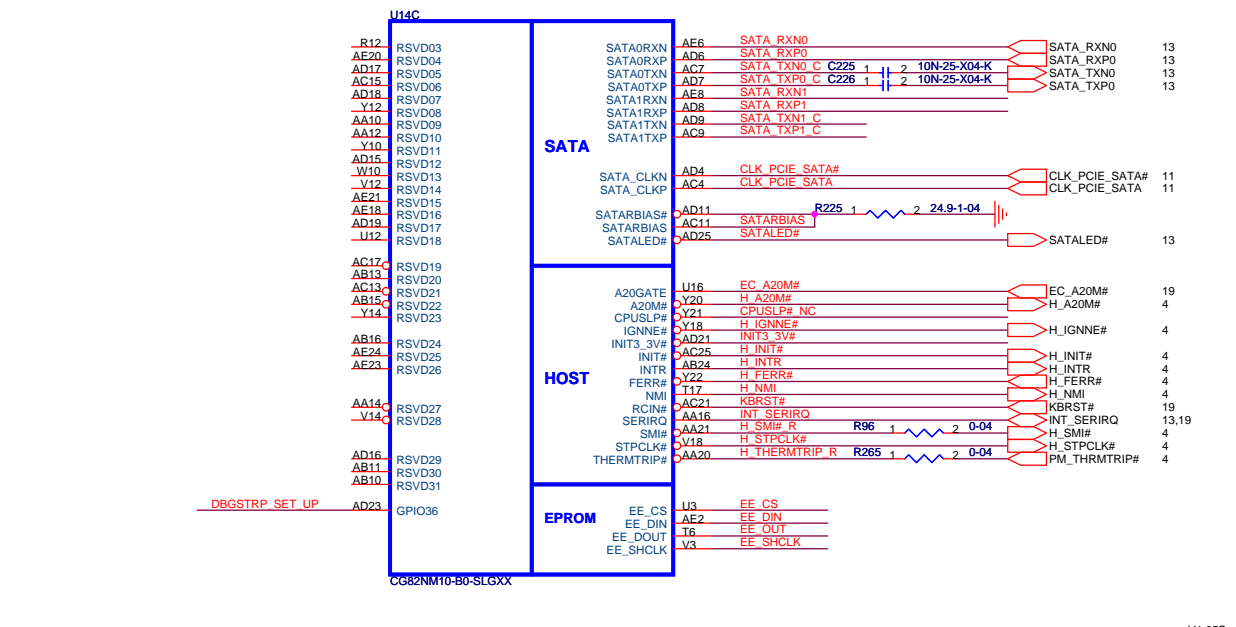


PCB1
PCB_MB_E11IS7_REV:B



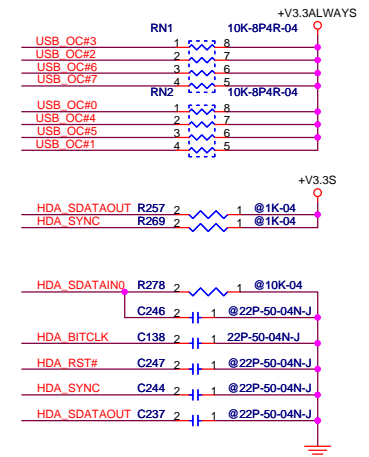
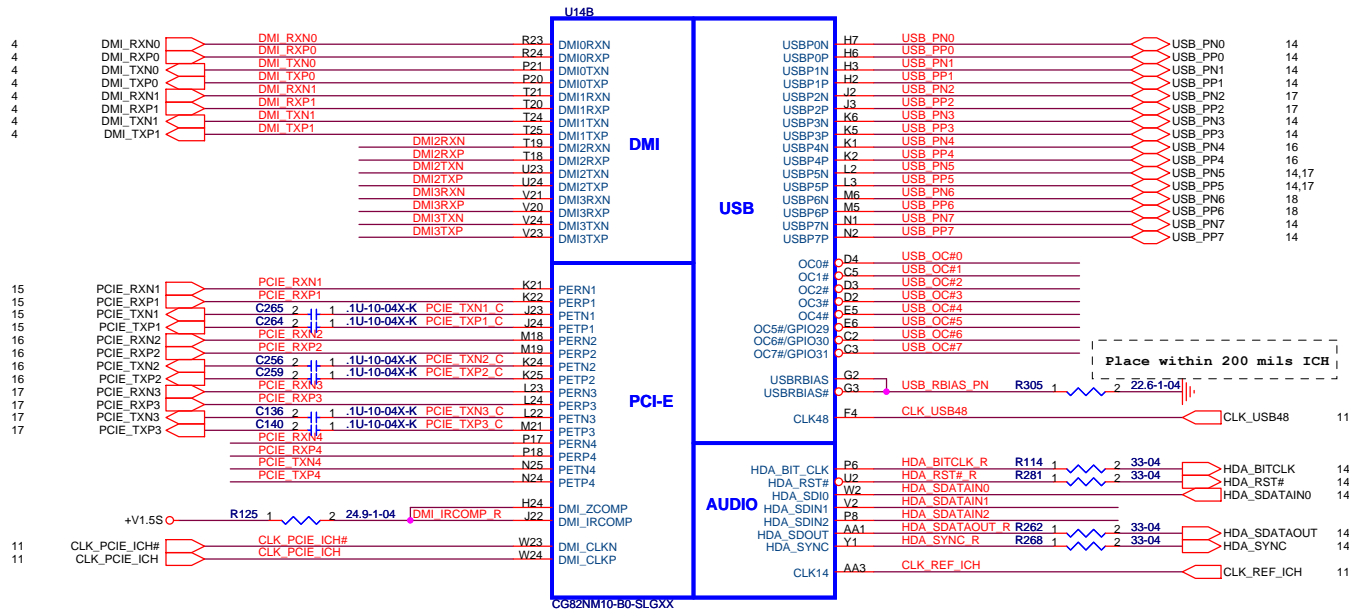


| | FLASH_SELO | FLASH_SEL1 |
|-----|------------|------------|
| SPI | 1 | 0 |
| PCI | 0 | 1 |
| LPC | 1 | 1 |

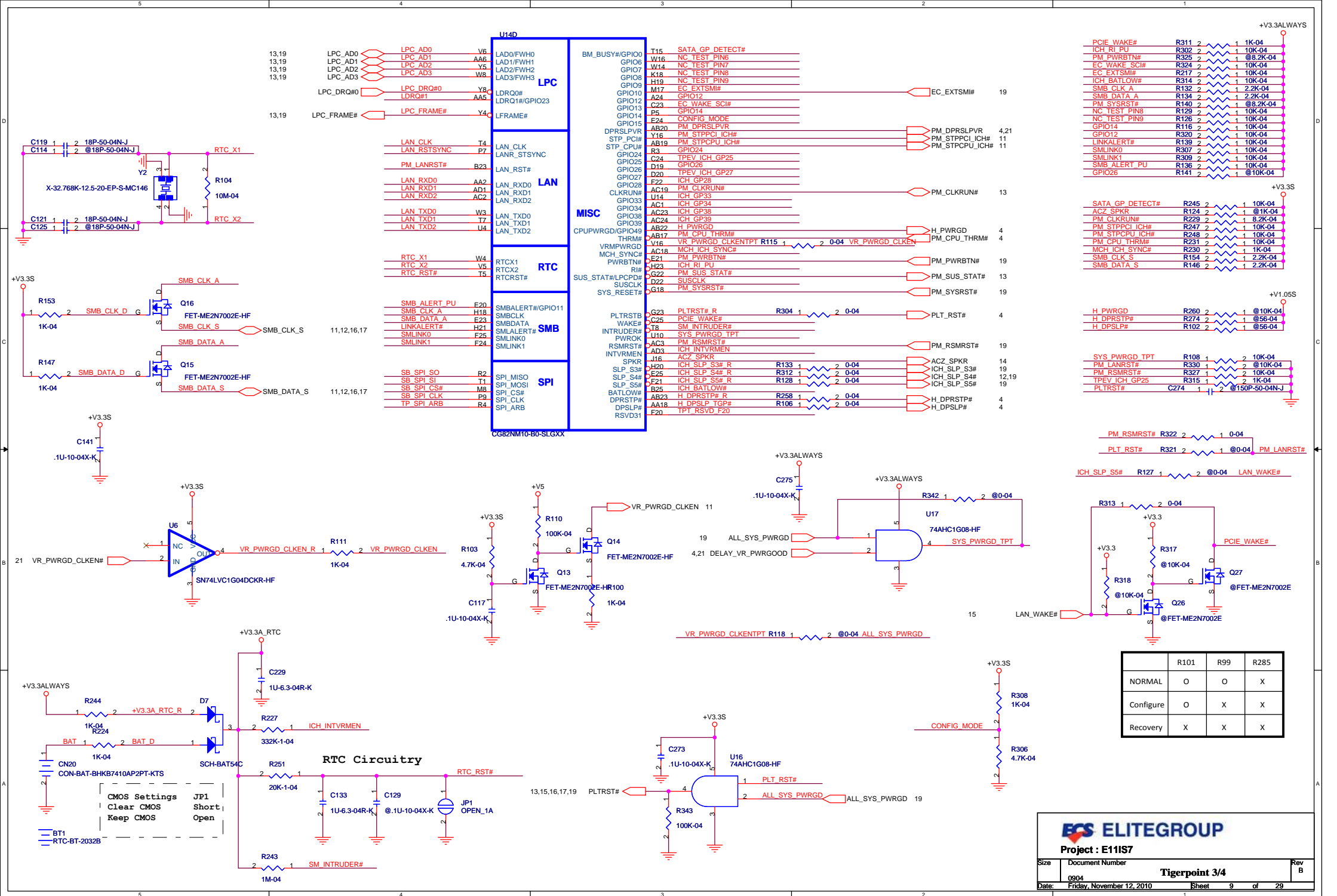


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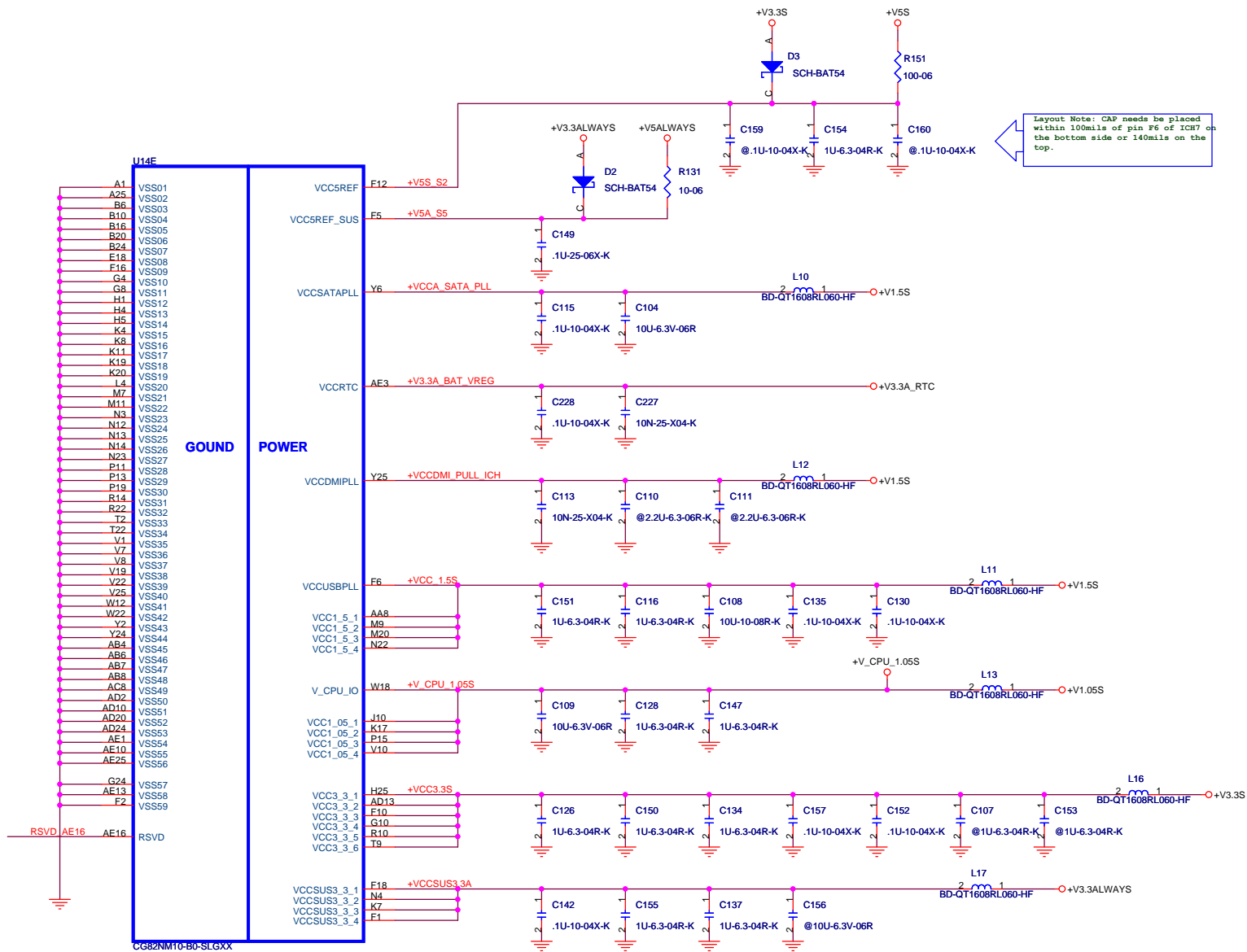
| | |
|--------------|-------------------------------|
| HDA_SDATAOUT | PCI Express port config bit 1 |
| HDA_SYNC | PCI Express port config bit 0 |

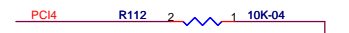
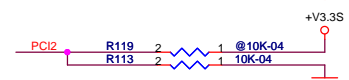
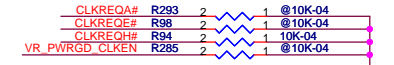
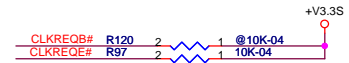
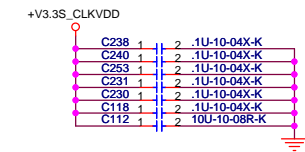
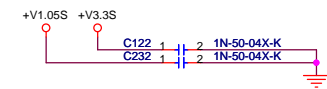
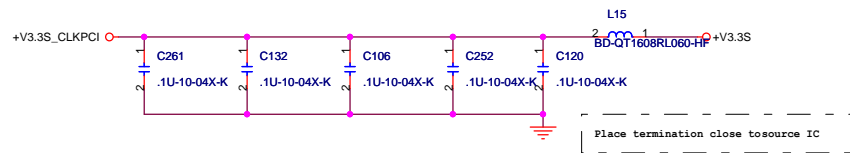


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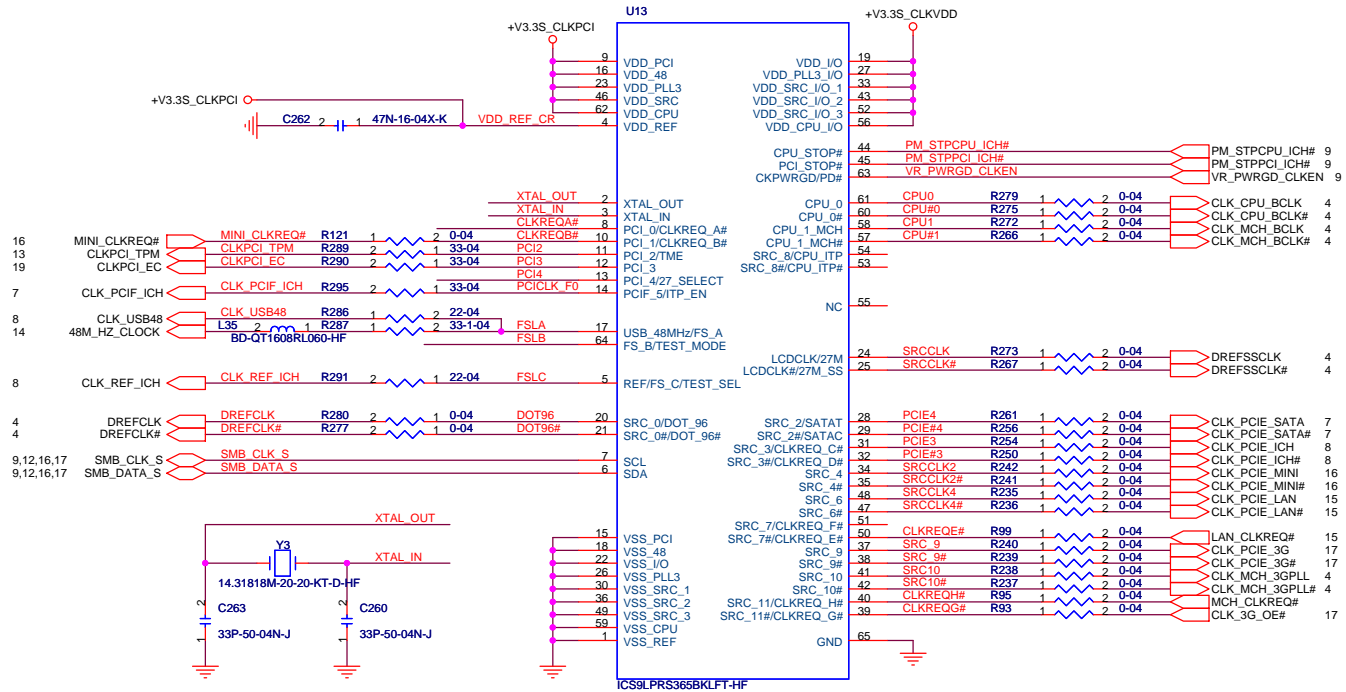
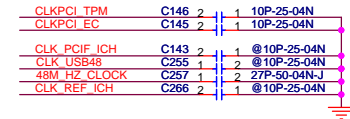
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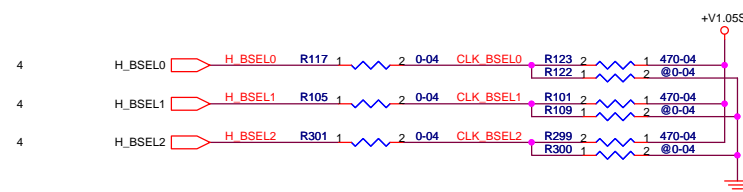
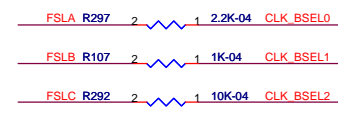




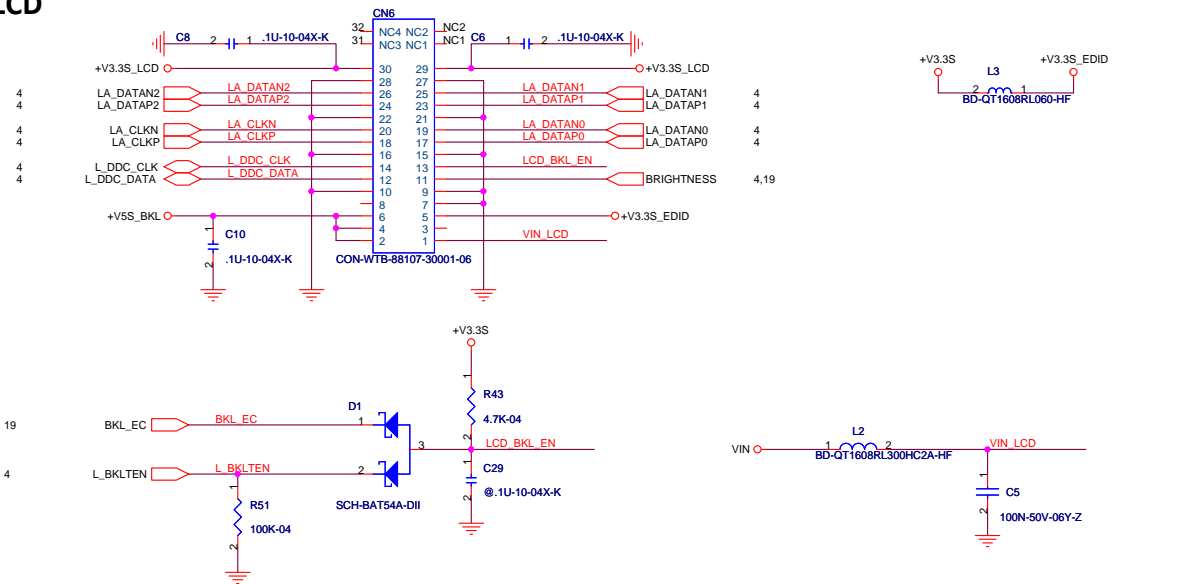
Reserve for EMI



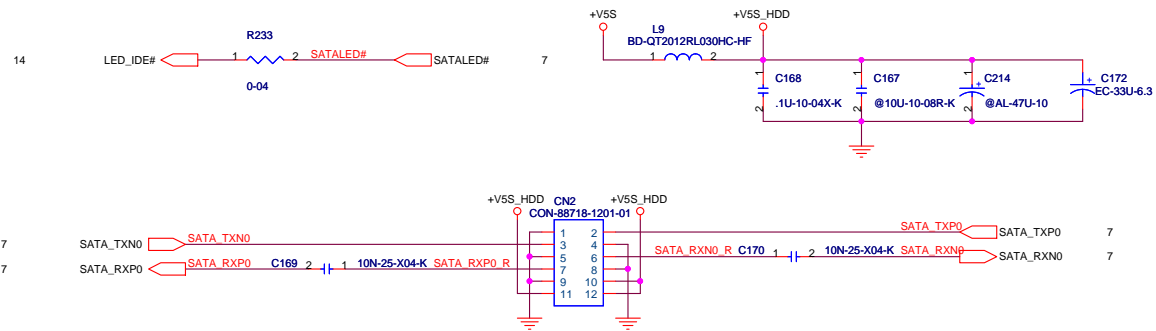
| FSLC BSEL2 | FSLB BSEL1 | FSLA BSEL0 | CPU | SRC | PCI |
|---------------|---------------|---------------|---------|--------|-------|
| L | L | H | 133MHz | 100MHz | 33MHz |
| L | H | L | 200MHz | 100MHz | 33MHz |
| L | H | H | 166MHz | 100MHz | 33MHz |
| H | L | H | 100MHz | 100MHz | 33MHz |
| H | H | L | 400MHz | 100MHz | 33MHz |
| H | L | L | 333MHz | 100MHz | 33MHz |
| H | H | H | CPU SEL | 100MHz | 33MHz |



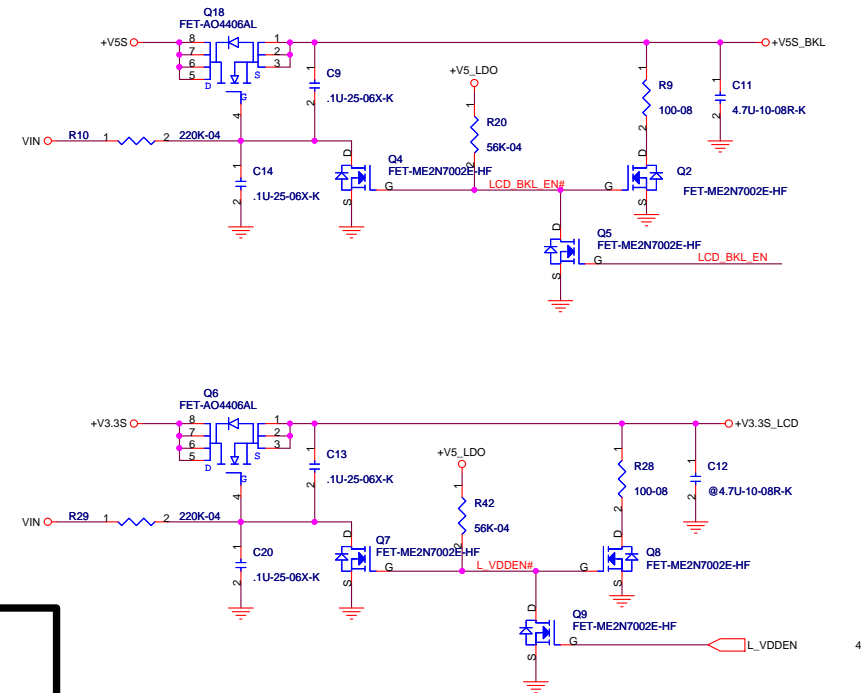
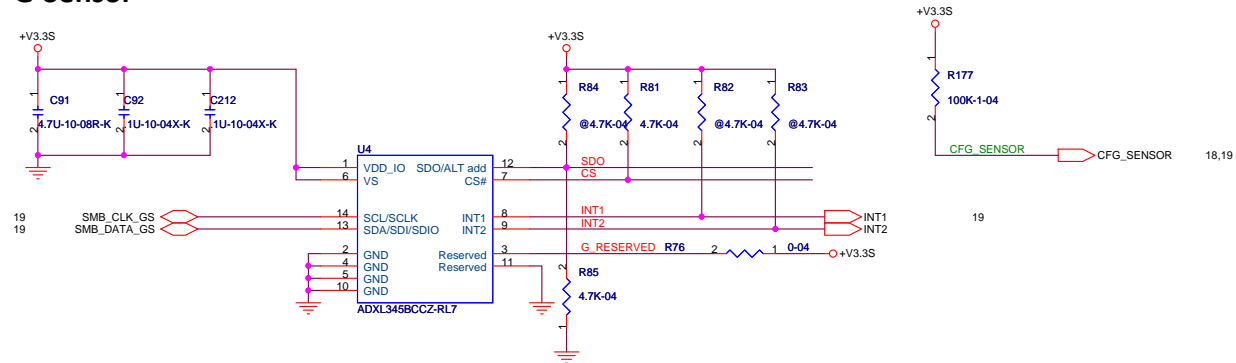
LCD



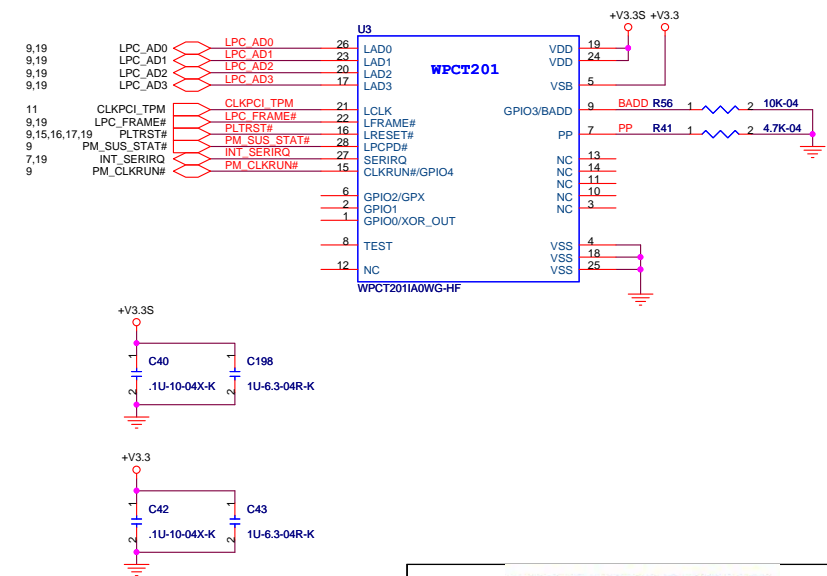
SATA HDD



G-Sensor

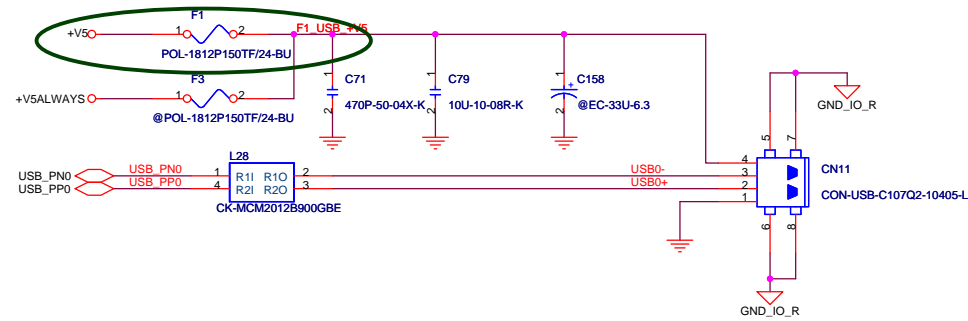


TPM



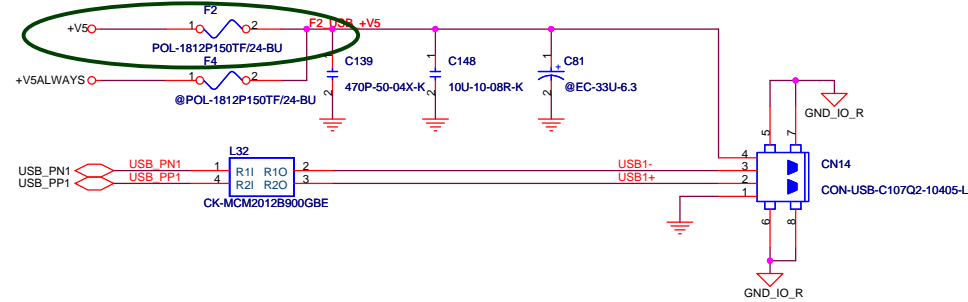
IS7 Rev.B modify

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8

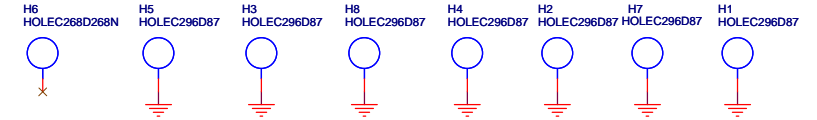
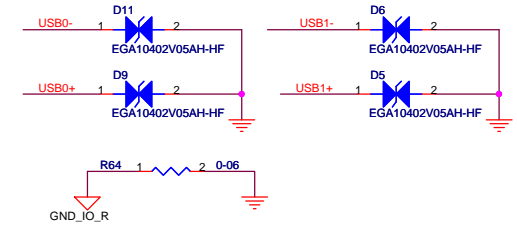


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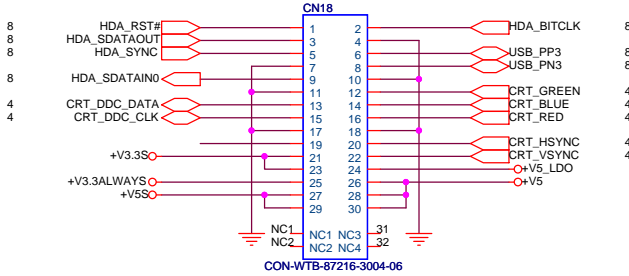
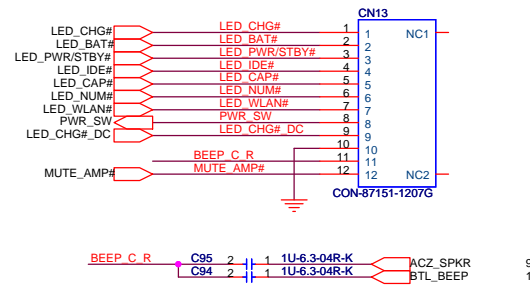
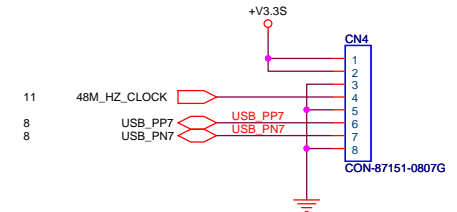
8
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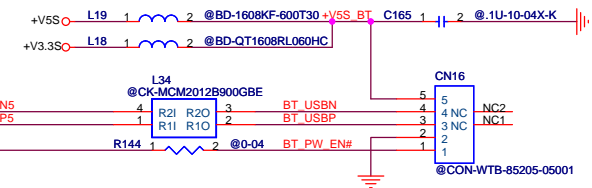
ESD protect



Card Reader



Option Bluetooth

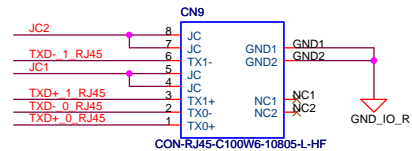
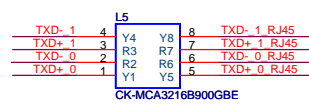
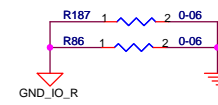
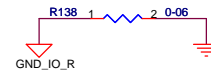
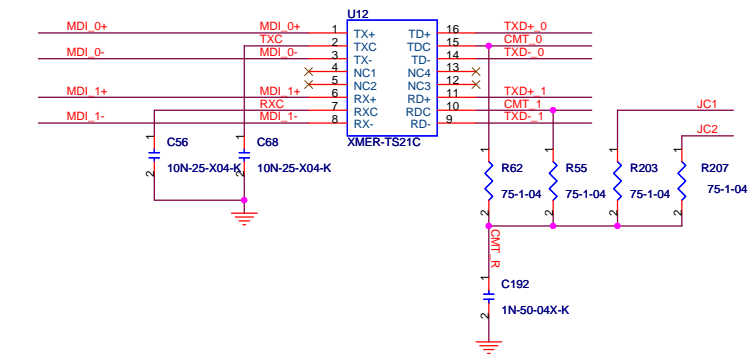
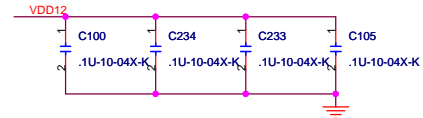
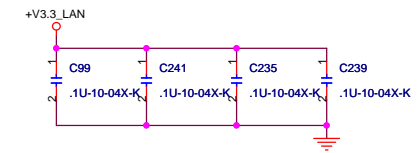
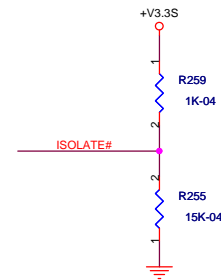
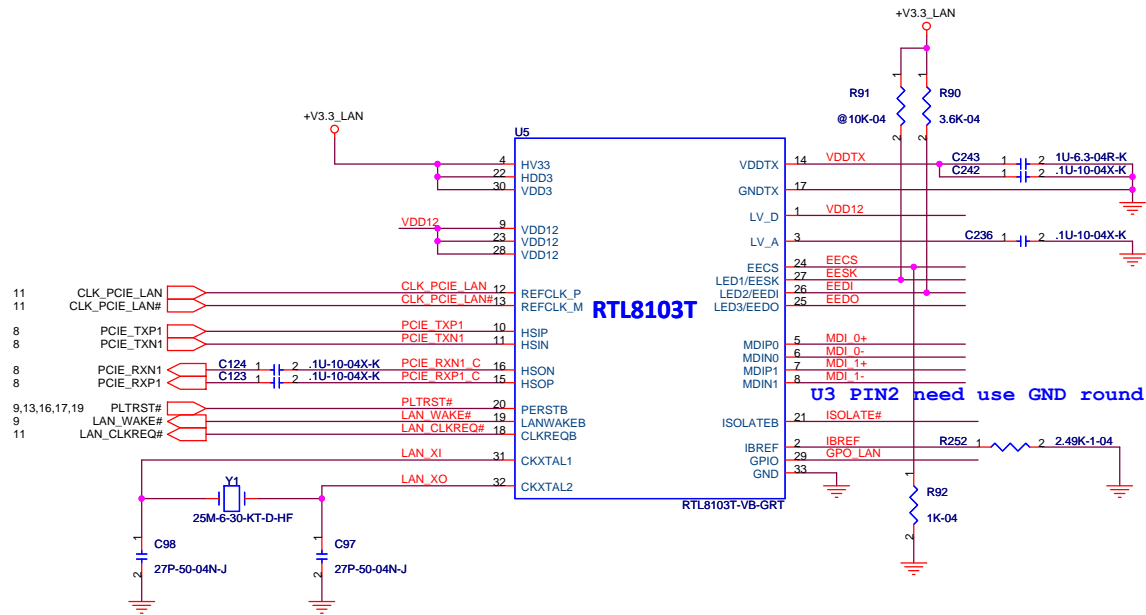


BT_EN = low disable BT.
BT_EN = high enable BT.

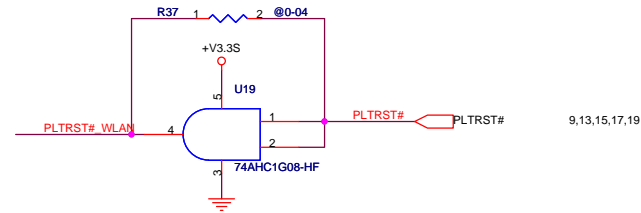
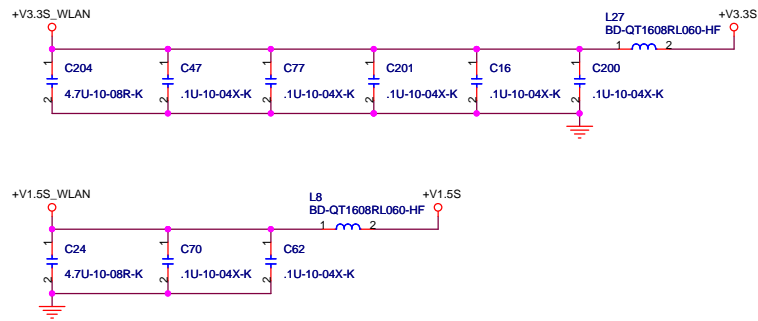
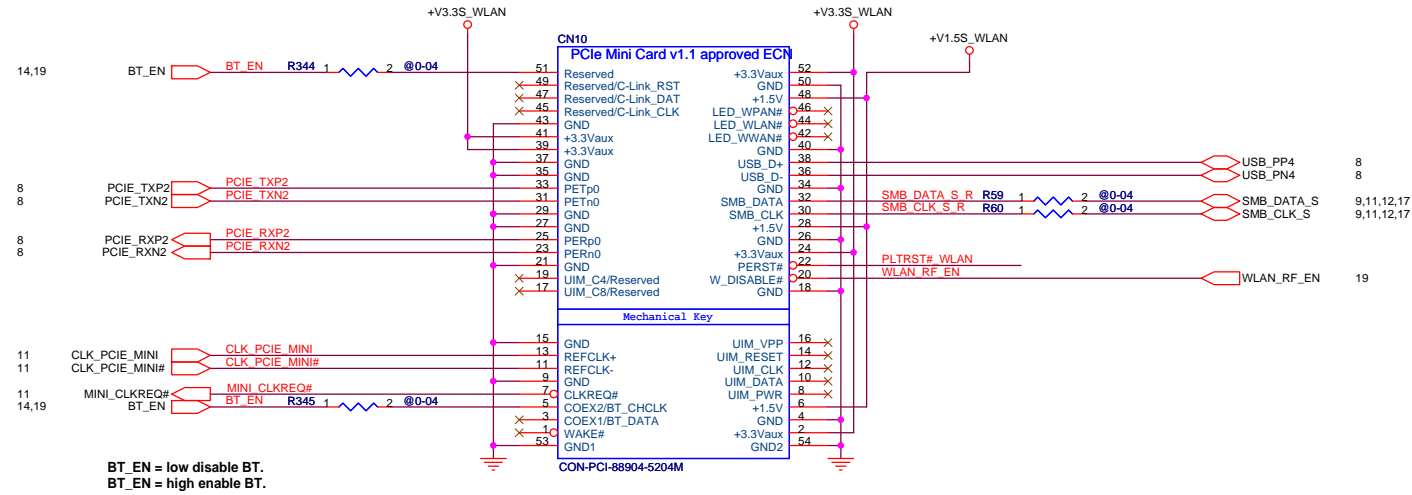
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Mini Card

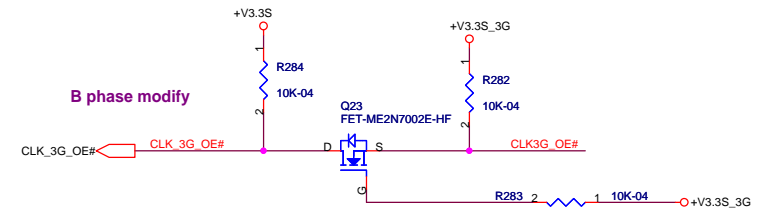
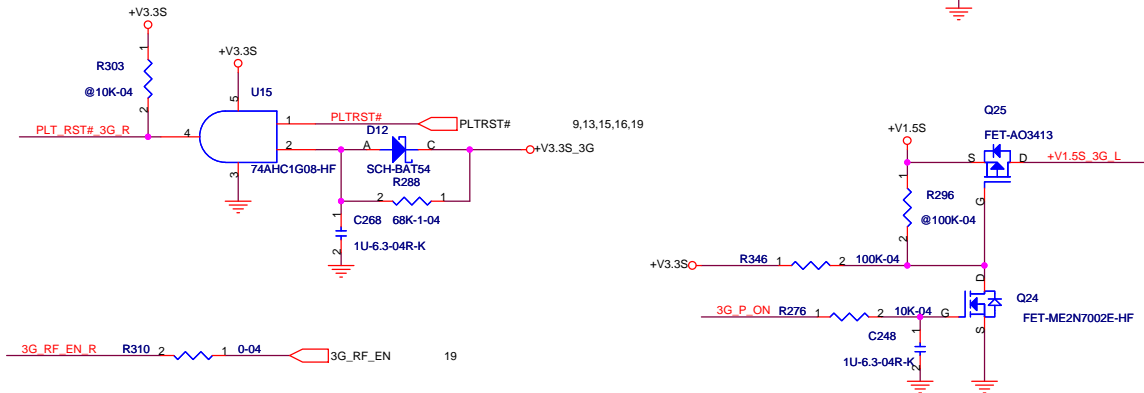
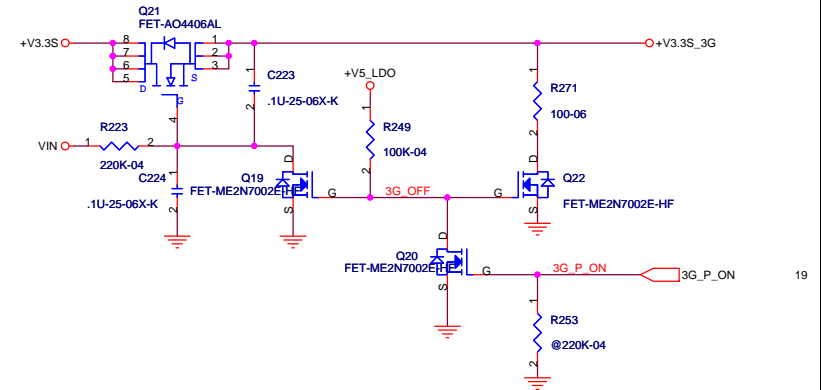
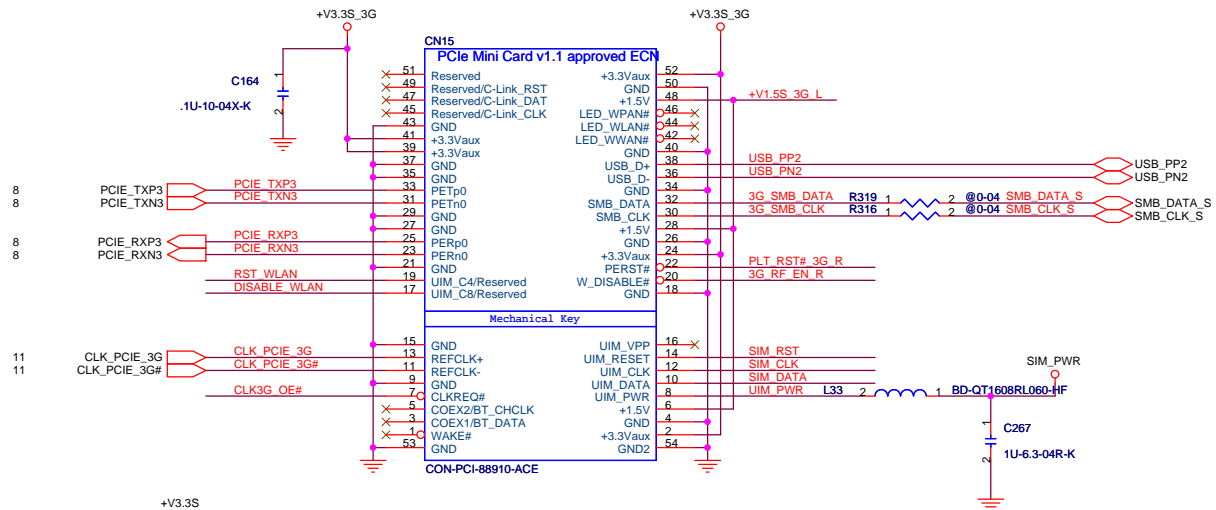


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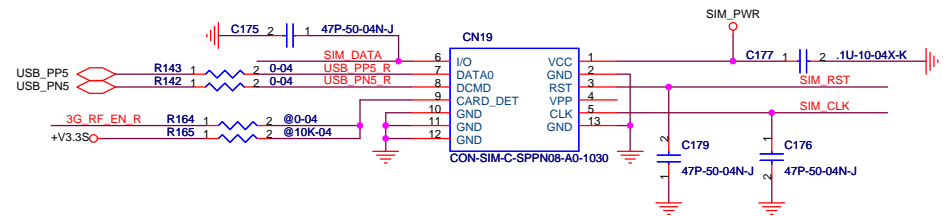
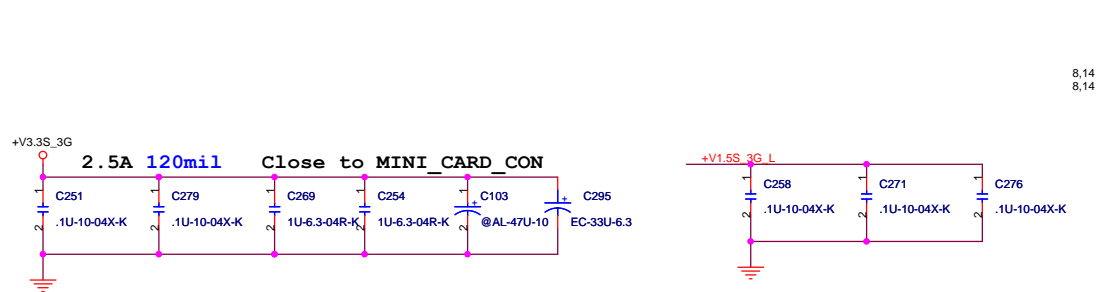
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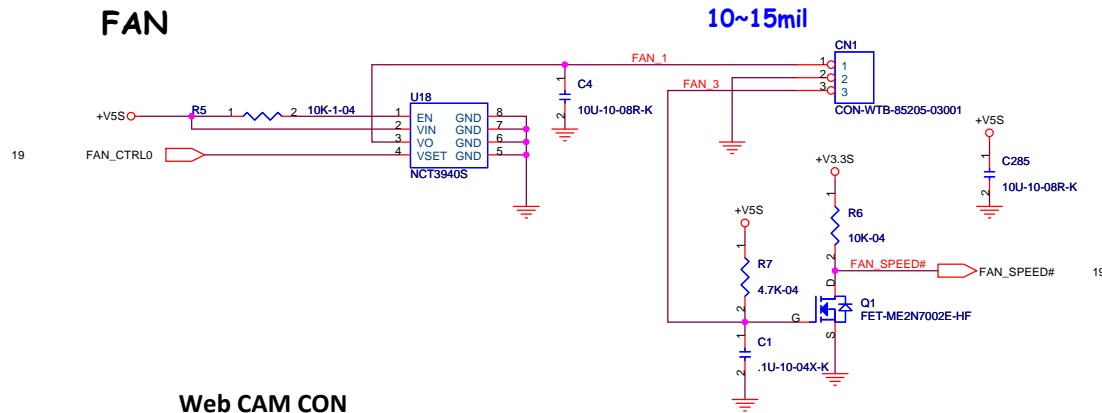
Mini Card_3G



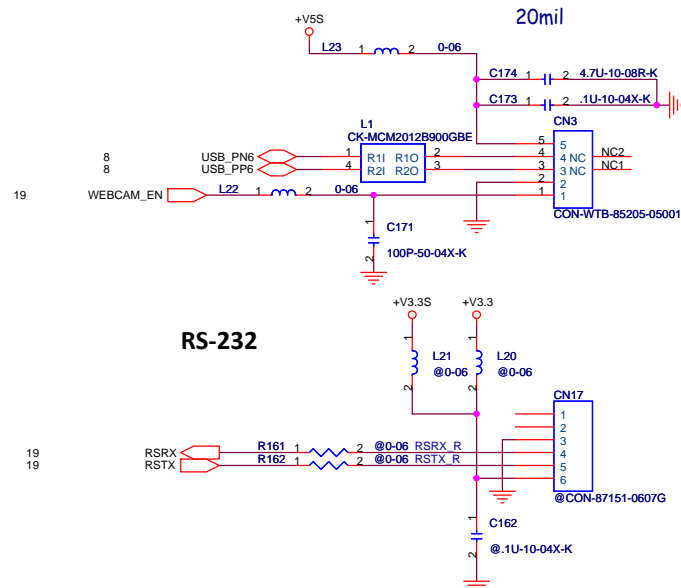
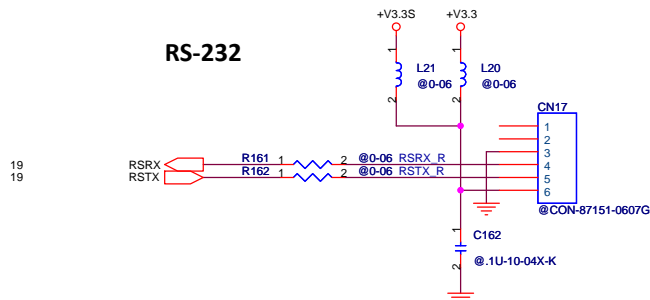
SIM_CARD



FAN

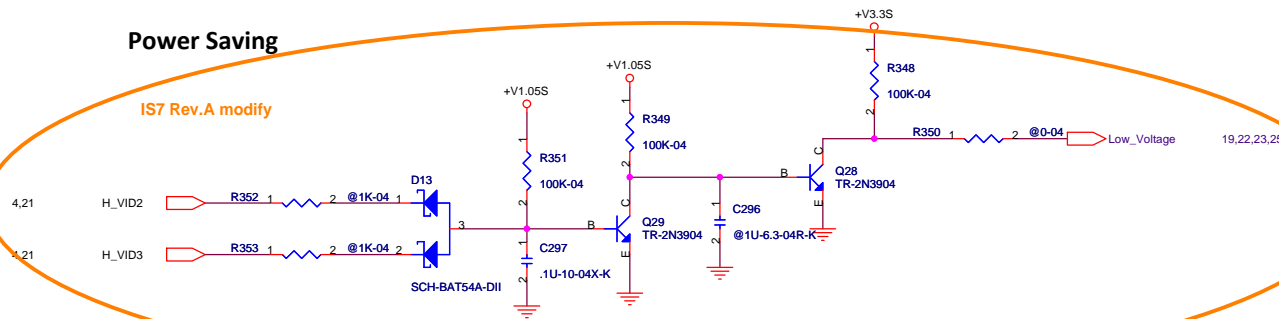


Web CAM CON

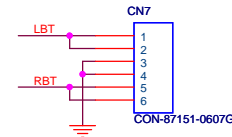
**RS-232**

Power Saving

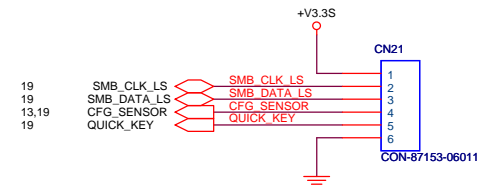
IS7 Rev.A modify



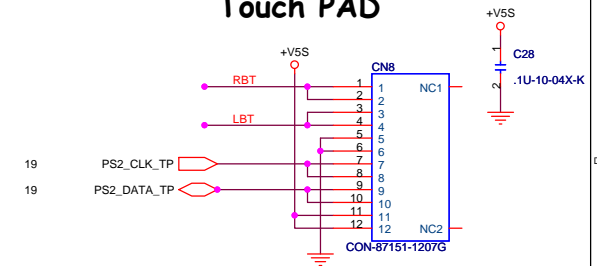
Touch PAD Button



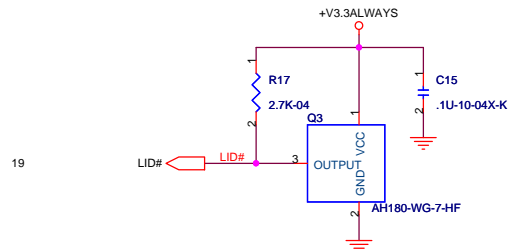
Configure Sensor/Quick Key CON



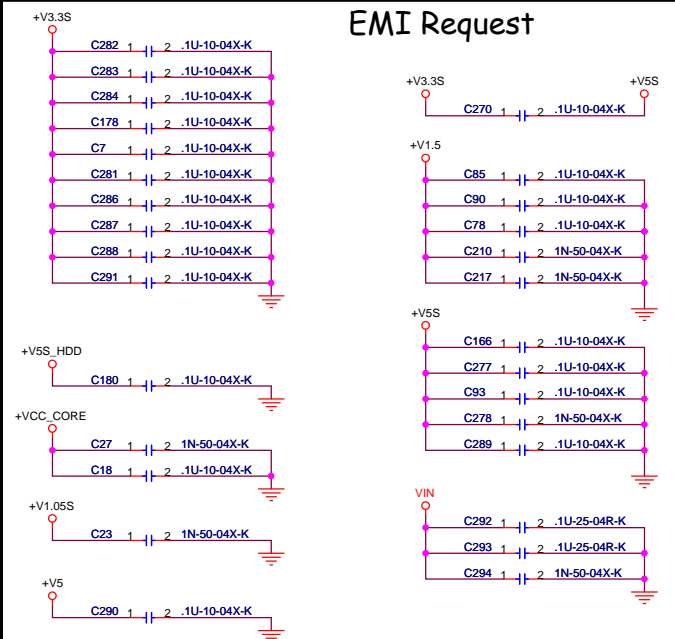
Touch PAD

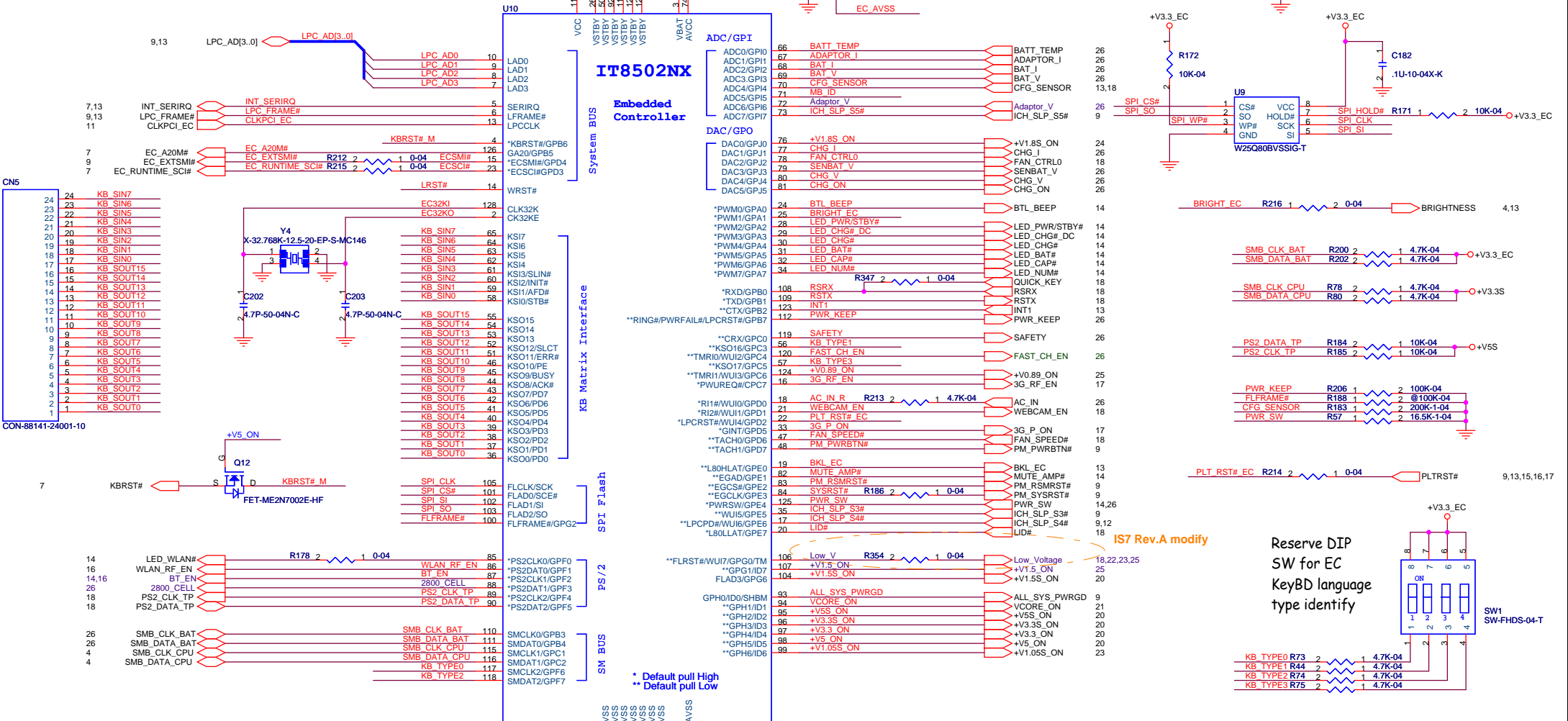
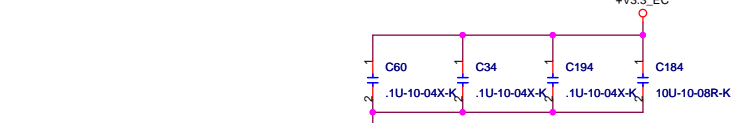
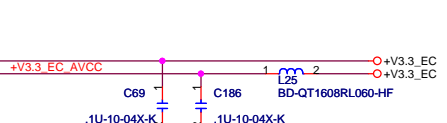
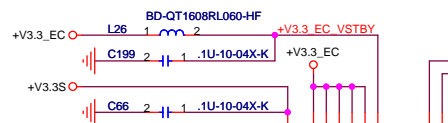
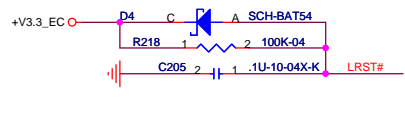


HALL Sensor



EMI Request





Configure Sensor

| Configure | W/O Light Sensor & G-Sensor | Light Sensor Only | Light Sensor + G-Sensor | G-Sensor Only |
|-----------|-----------------------------|-------------------|-------------------------|---------------|
| Voltage | 0 V | 0.825 V | 1.65 V | 2.2 V |
| R177 | @ | @ | V | V |
| R183 | V | V | V | V |

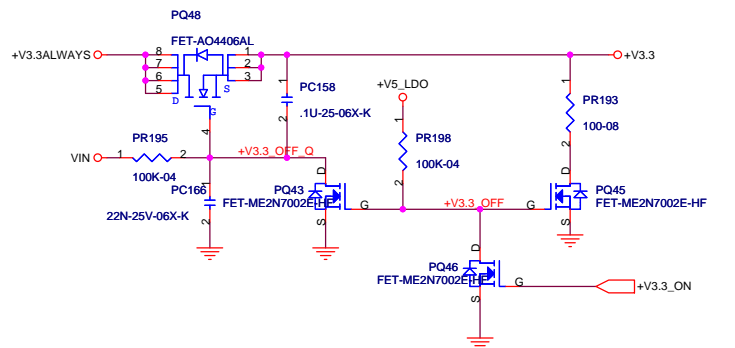
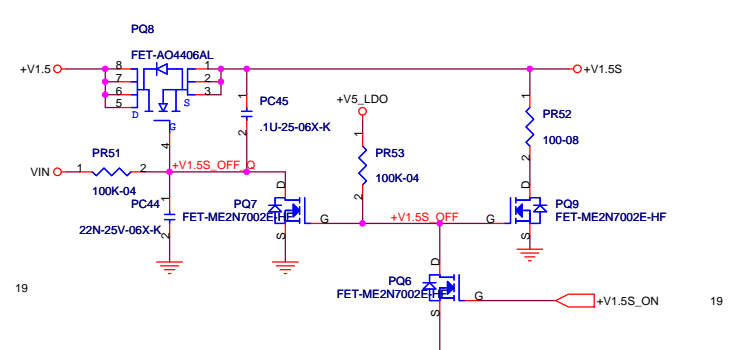
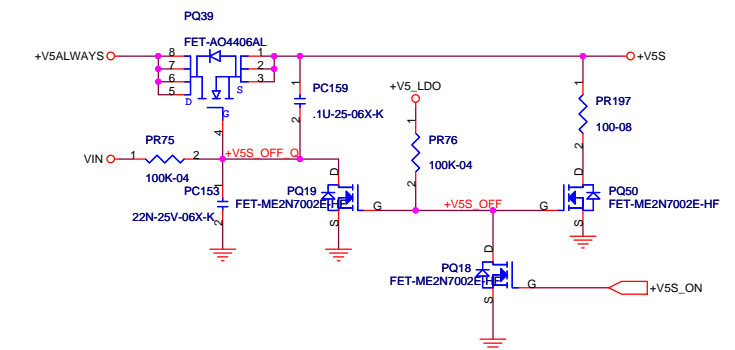
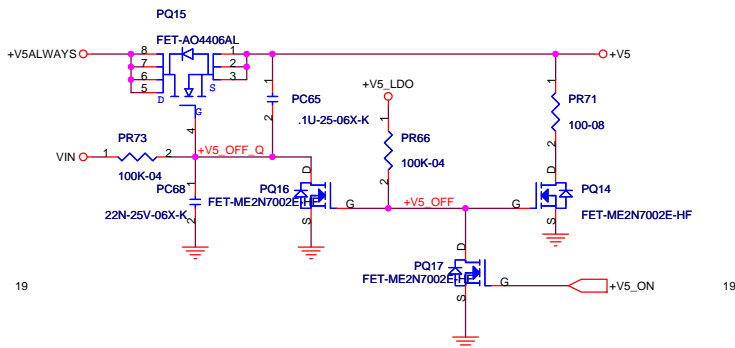
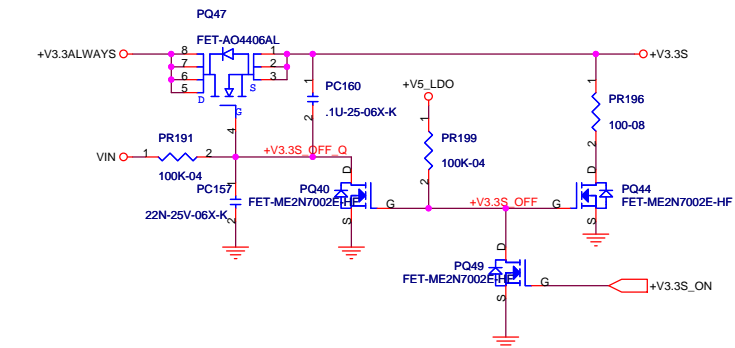
M/B revision ID

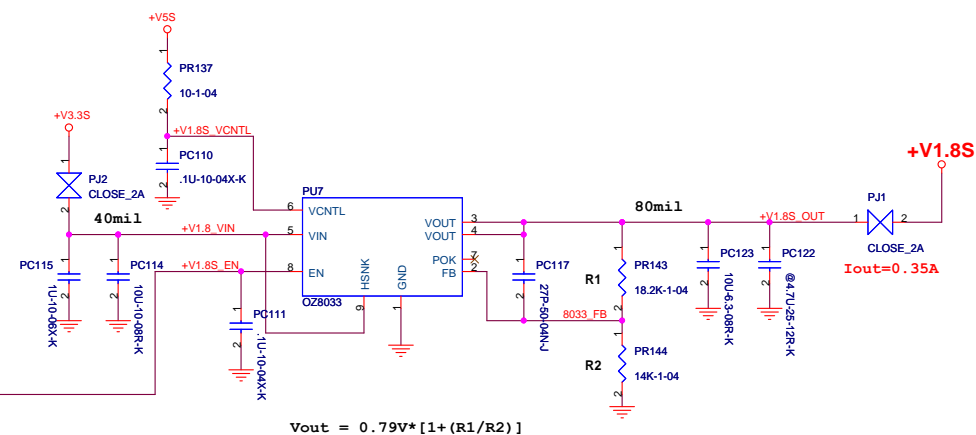
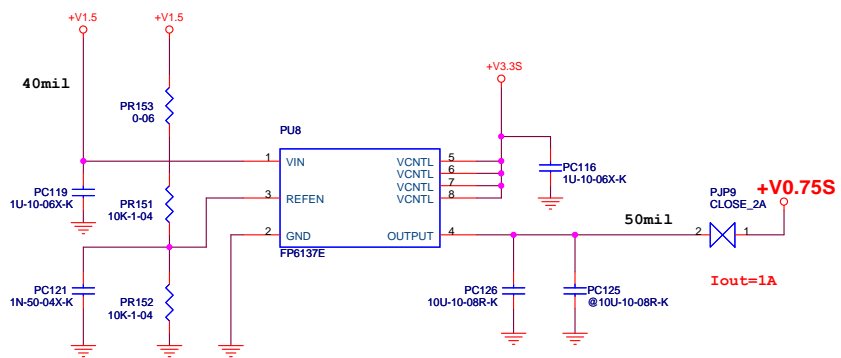
| MB rev. ID | Rev.A | Rev.B | Rev.B W/O TPM | Rev.C | Rev.C W/O TPM |
|------------|-------|-------|---------------|-------|---------------|
| MB_ID | 0V | 0.5V | 1V | 3.3V | 1.65v |
| R180 | @ | 10K | 10K | 10K | 10K |
| R182 | 1.5K | 1.8K | 4.3K | @ | 10K |

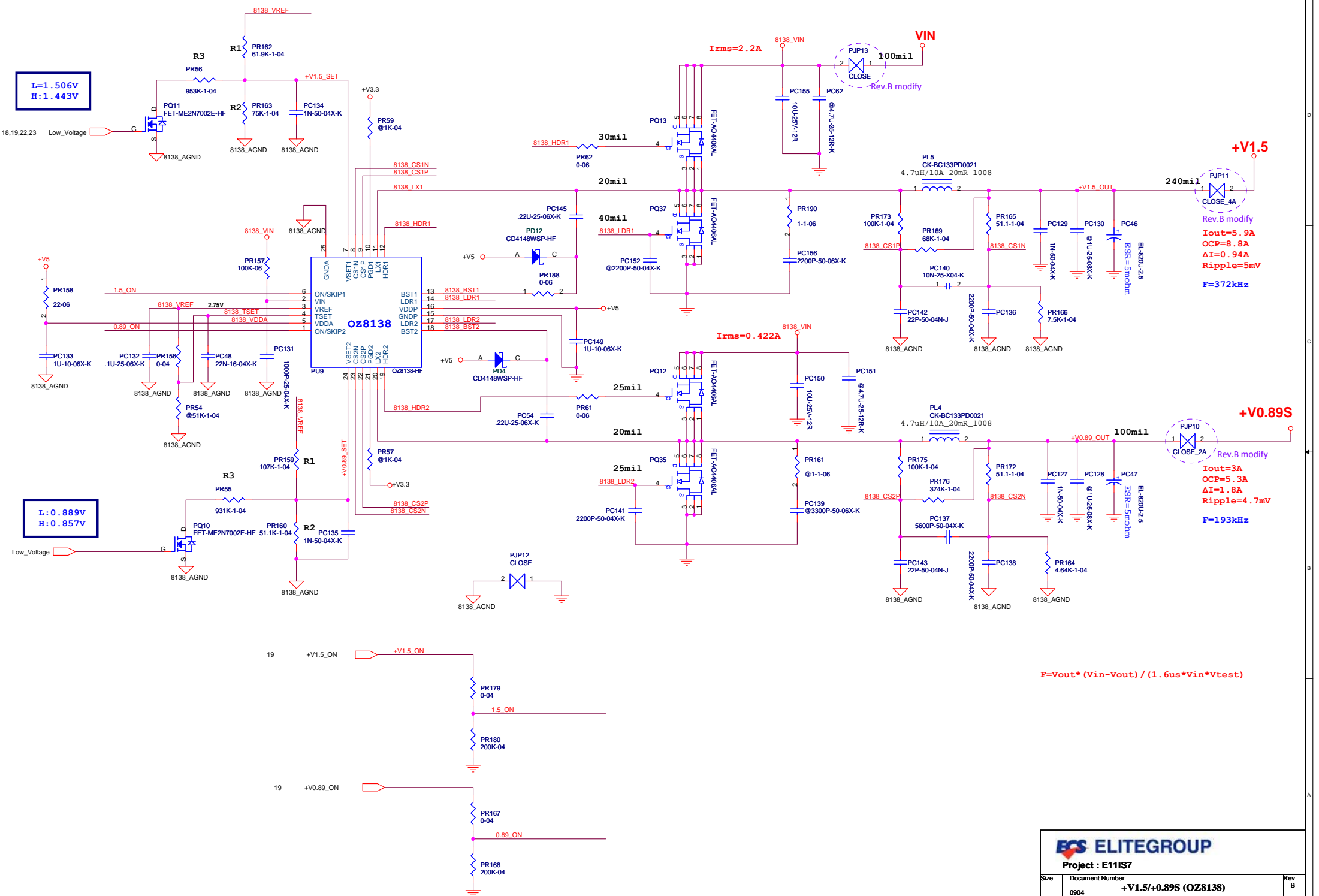
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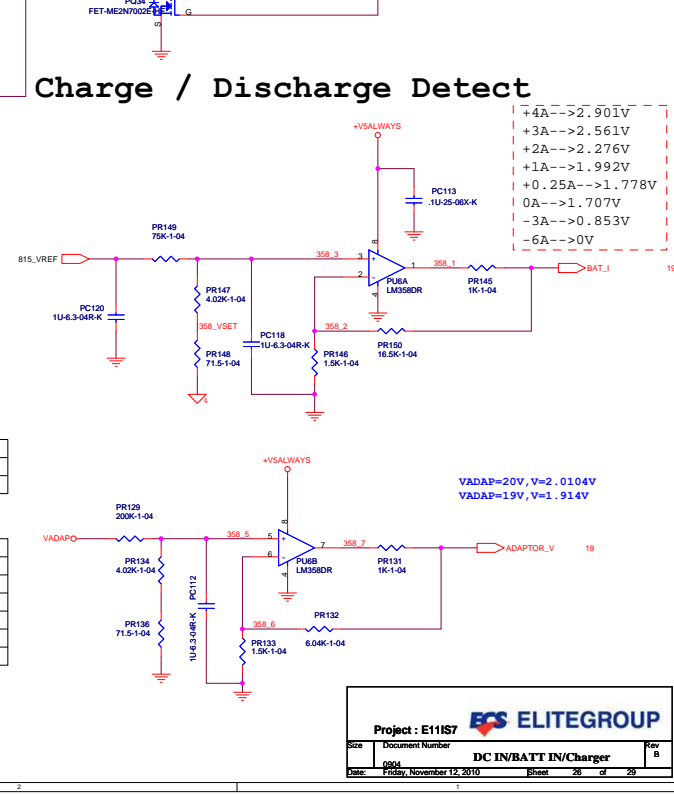
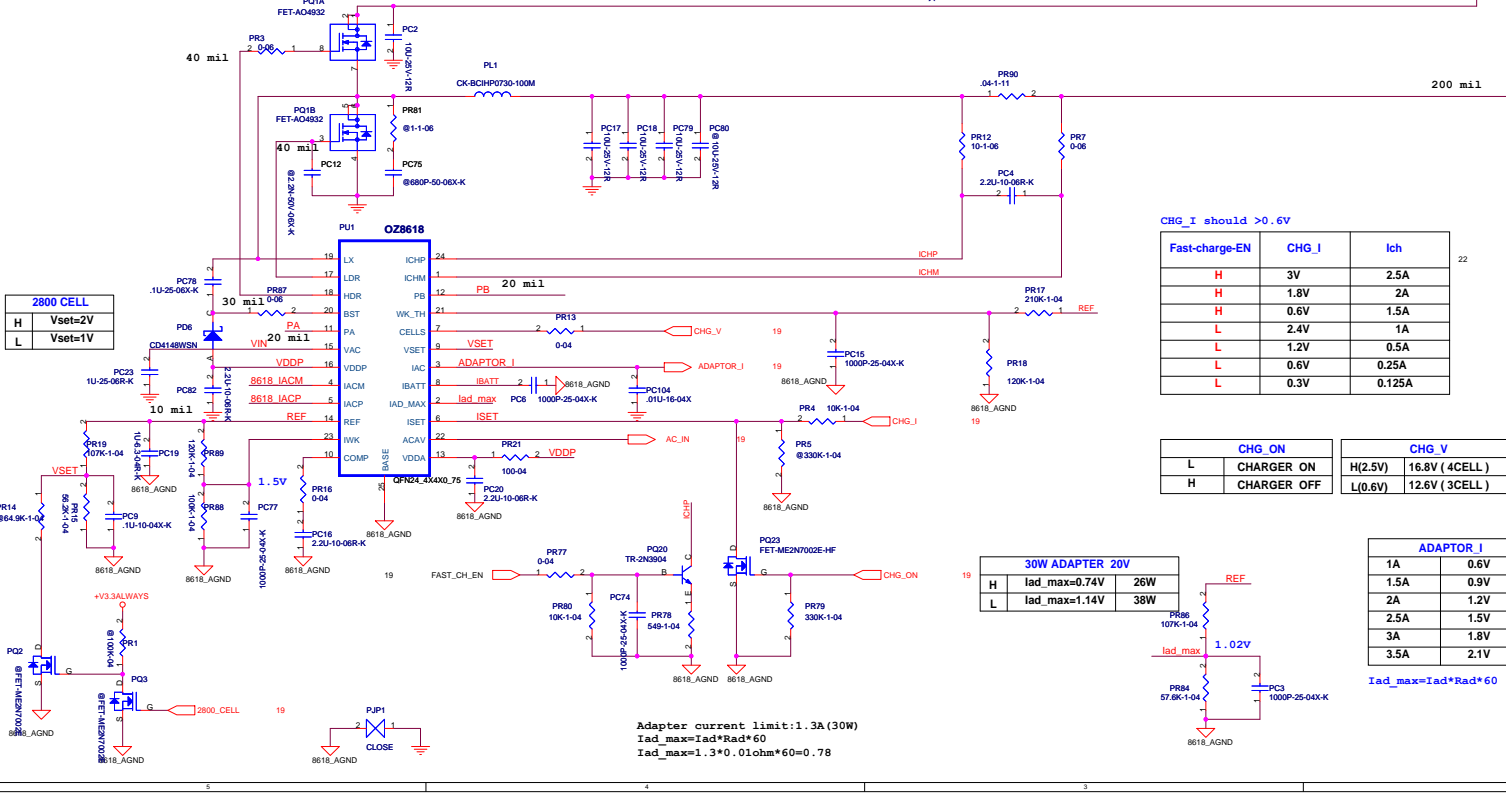
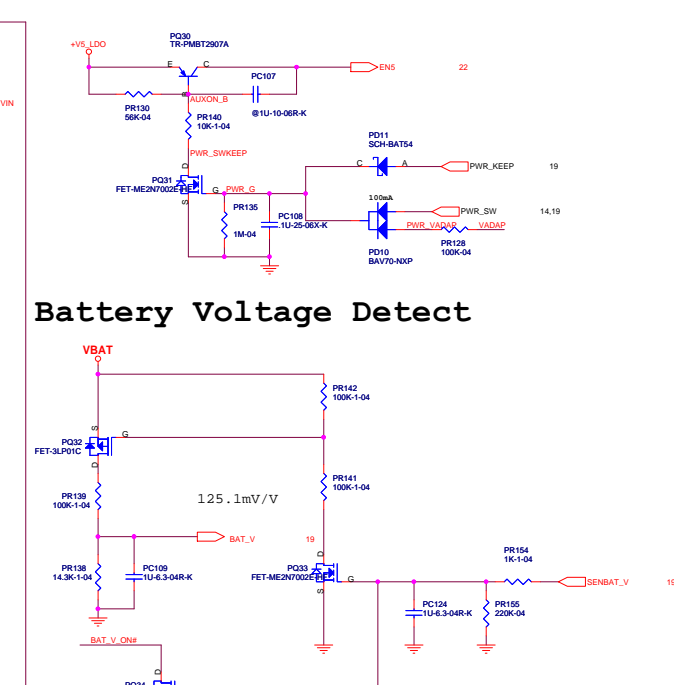
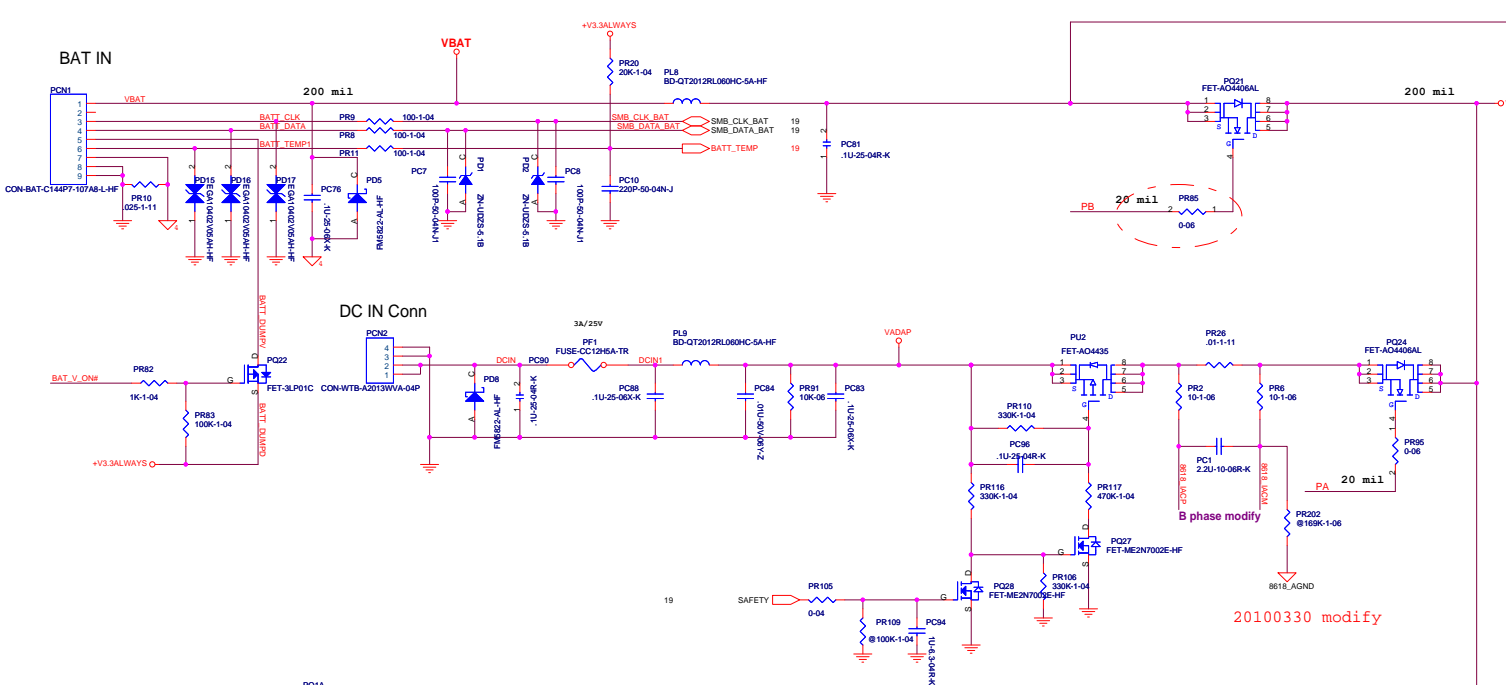
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| 2800 CELL | |
|-----------|---------|
| H | Vset=2V |
| L | Vset=1V |

| 30W ADAPTER 20V | | |
|-----------------|---------------|-----|
| H | Iad_max=0.74V | 26W |
| L | Iad_max=1.14V | 38W |
| L | Iad_max=1.14V | 38W |

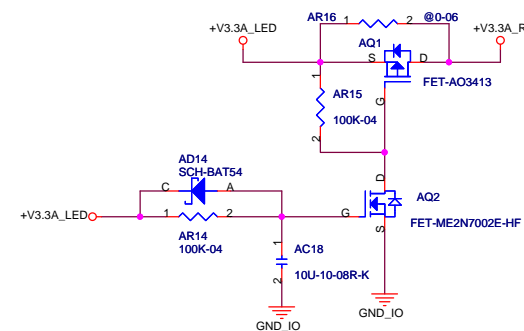
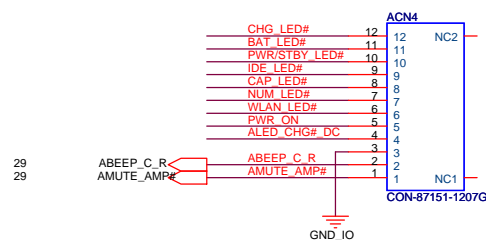
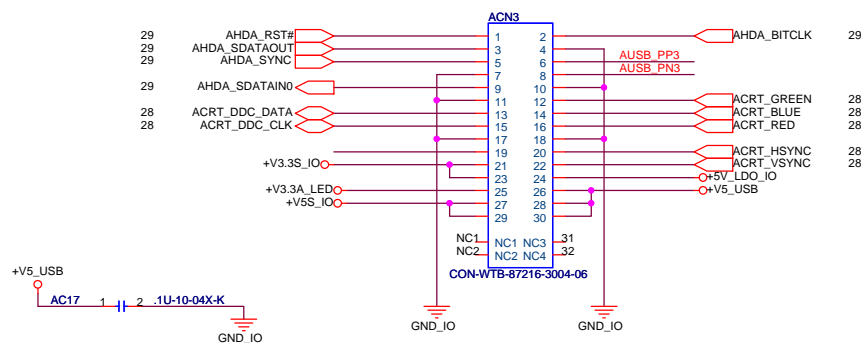
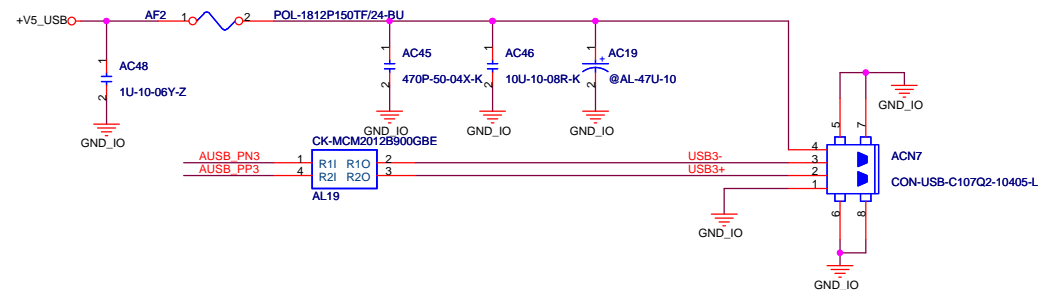
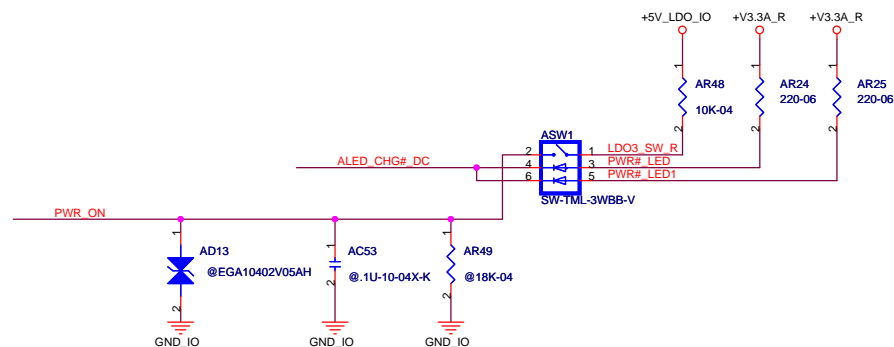
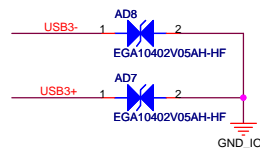
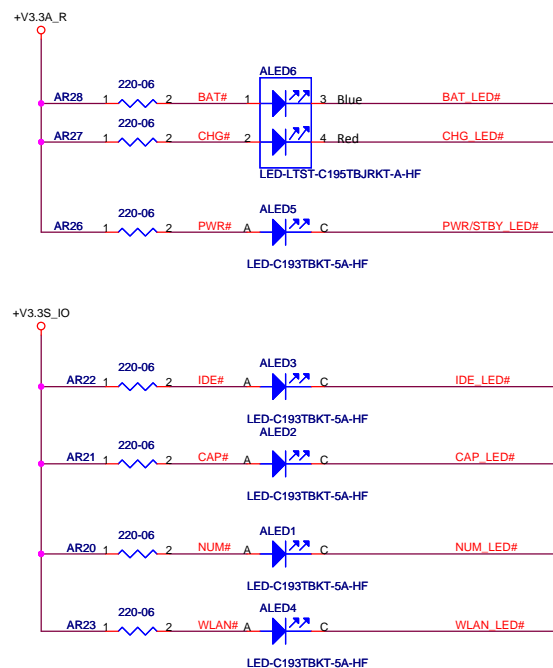
| ADAPTOR_I | |
|-----------|------|
| 1A | 0.6V |
| 1.5A | 0.9V |
| 2A | 1.2V |
| 2.5A | 1.5V |
| 3A | 1.8V |
| 3.5A | 2.1V |

| Fast-charge-EN | CHG_I | Ich |
|----------------|-------|--------|
| H | 3V | 2.5A |
| H | 1.8V | 2A |
| H | 0.6V | 1.5A |
| L | 2.4V | 1A |
| L | 1.2V | 0.5A |
| L | 0.6V | 0.25A |
| L | 0.3V | 0.125A |

| CHG ON | | CHG V | |
|--------|-------------|---------|---------------|
| L | CHARGER ON | H(2.5V) | 16.8V (4CELL) |
| H | CHARGER OFF | L(0.6V) | 12.6V (3CELL) |

PCB P/N : 35G3E1130-B0

CHG/BAT
PWR/STBY
WLAN
HDD
CAP
NUM



PCB2
PCB_IO_E11IS7_REV:B

CRT

