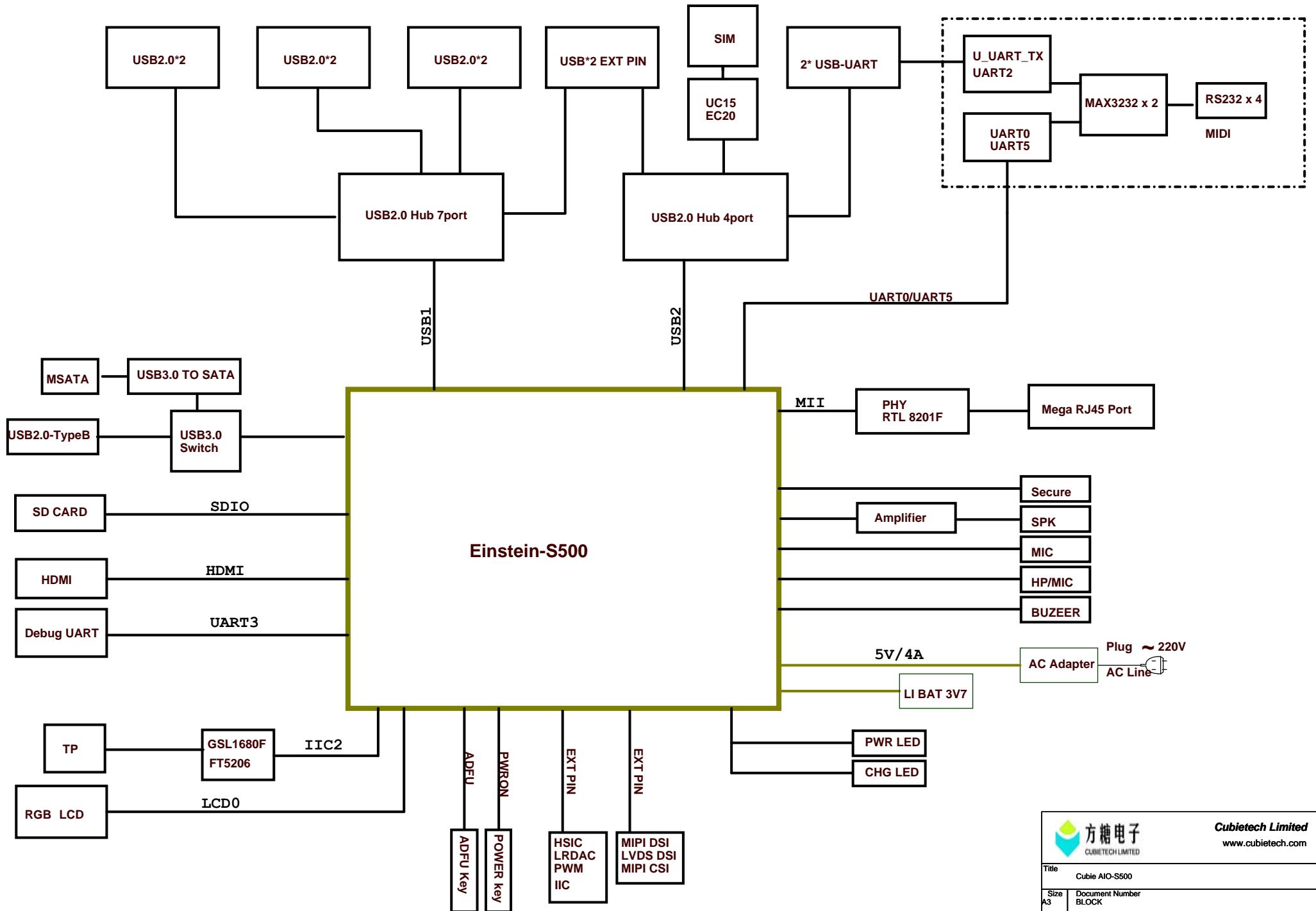
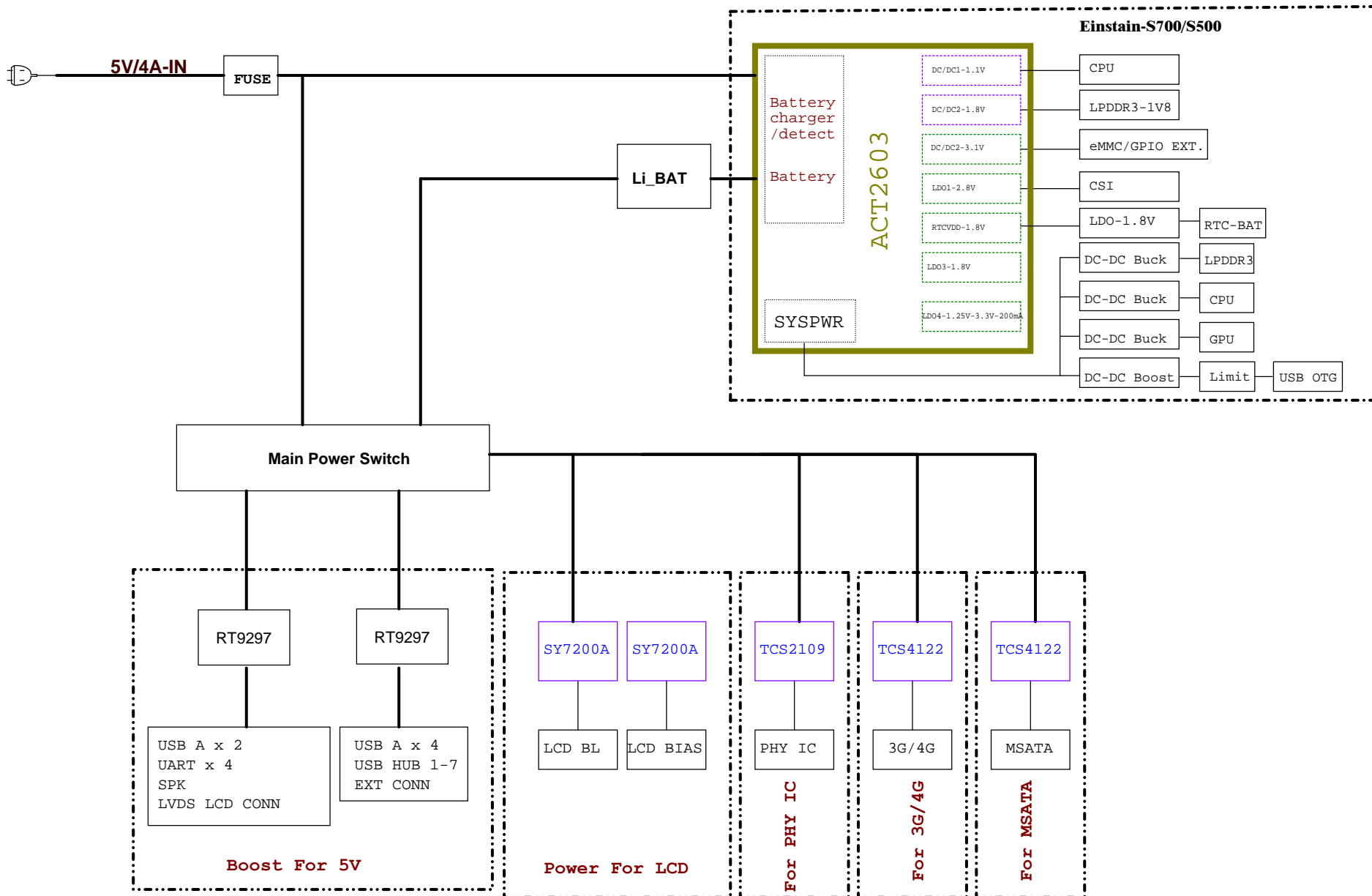


BLOCK

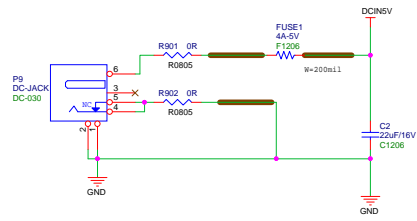


POWER TREE

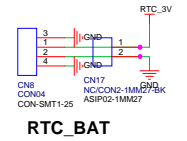
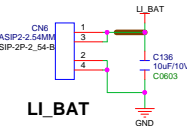


POWER SUPPLY

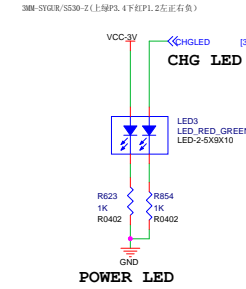
DC-IN & DC-DC



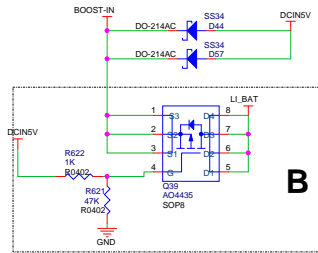
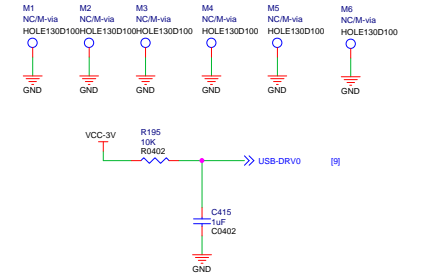
BAT



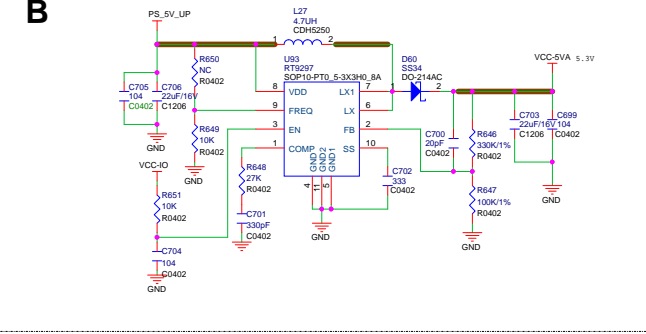
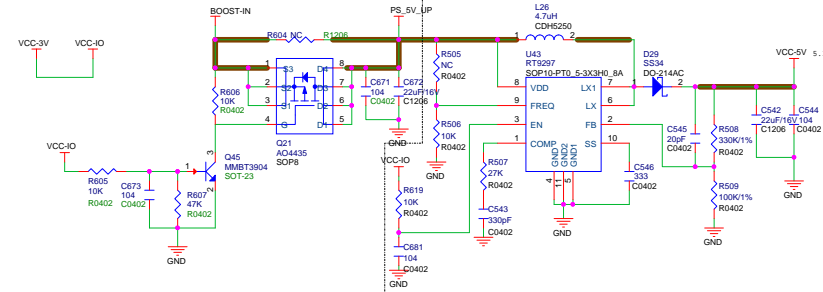
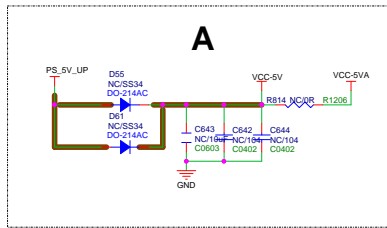
LED



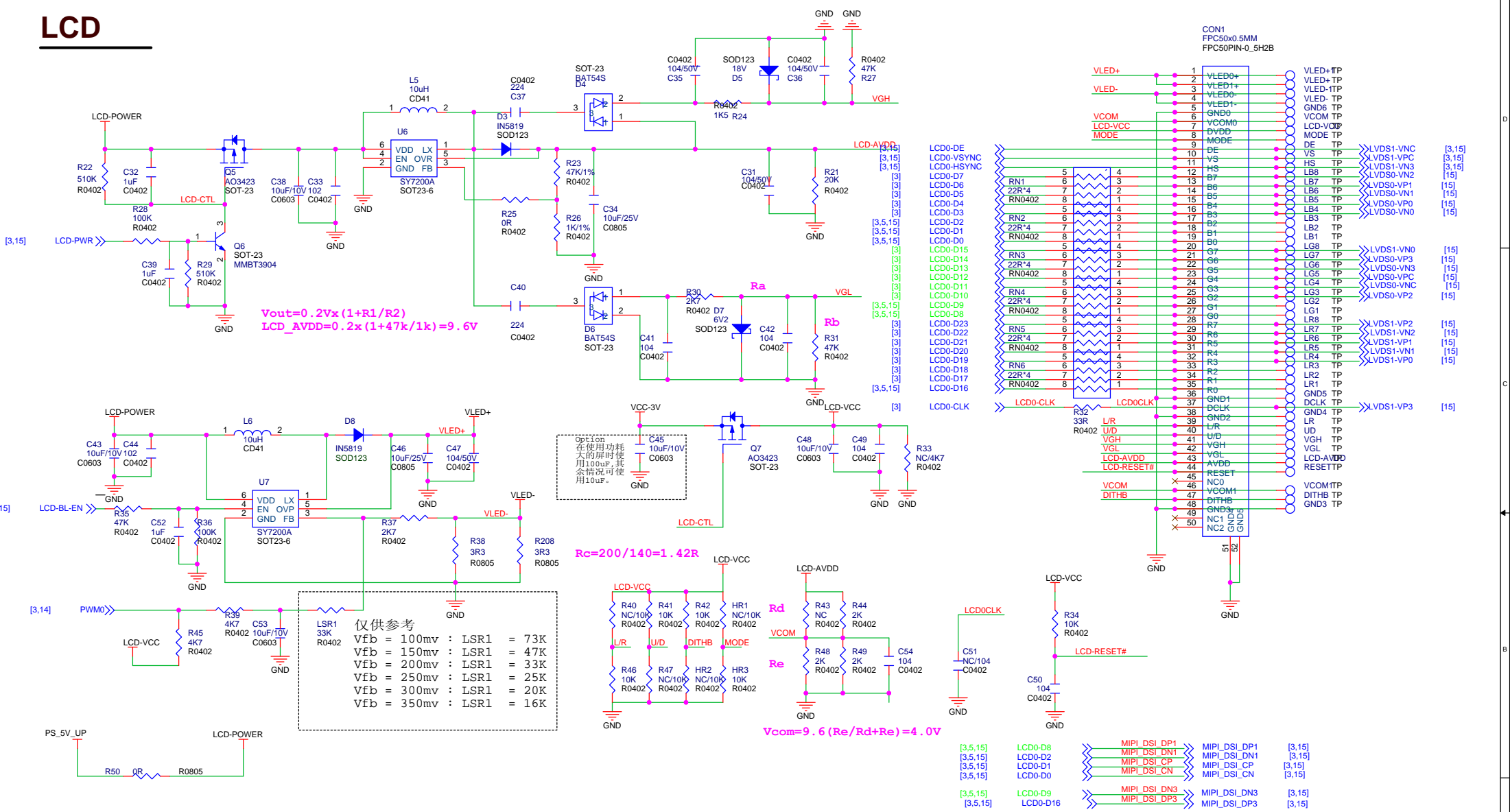
Current Limited EN




A FOR NO BATTERY
B FOR BATTERY



LCD



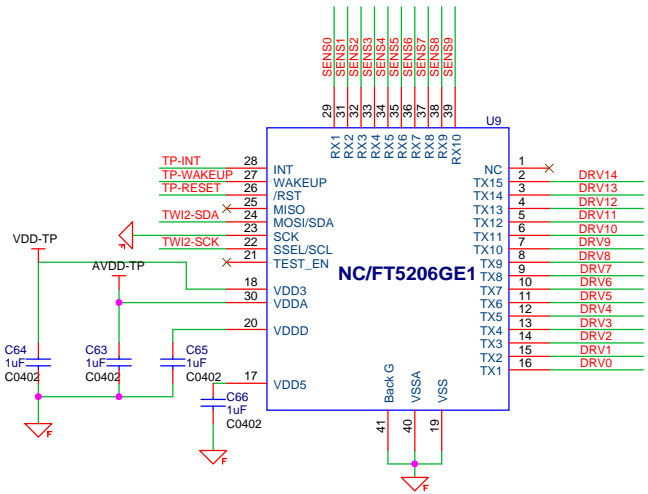
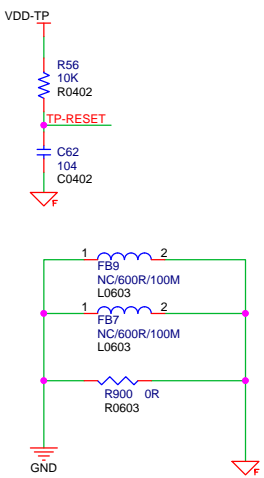
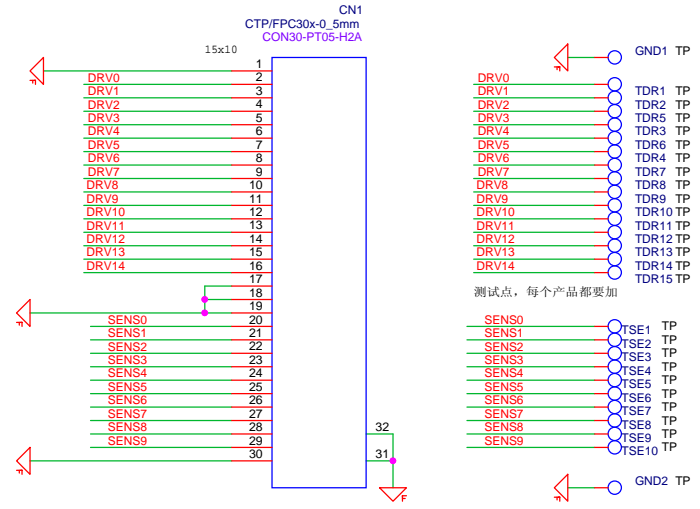
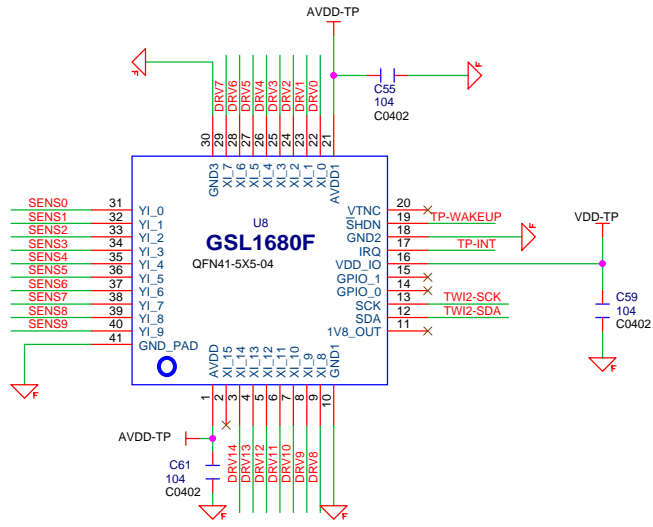
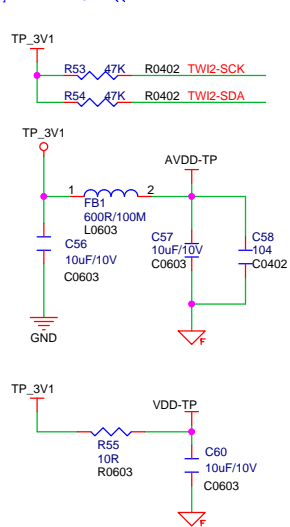


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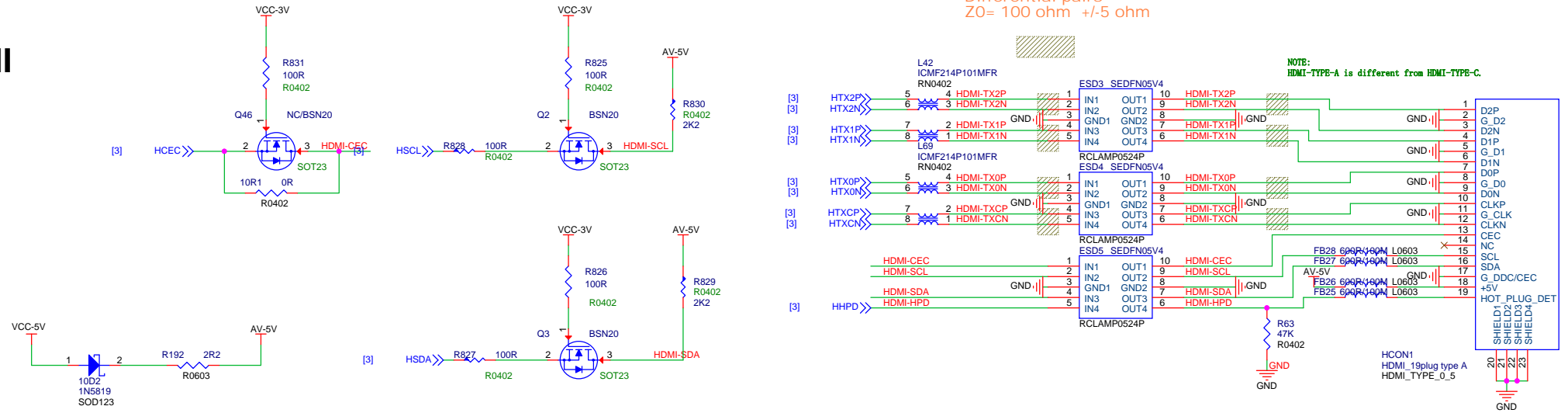
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| Title: Cubie AIO-S500 | | |
| Size: A3 | Document Number: LCD | Rev: V10 |
| Date: Wednesday, September 06, 2017 | Sheet: 5 | of: 15 |

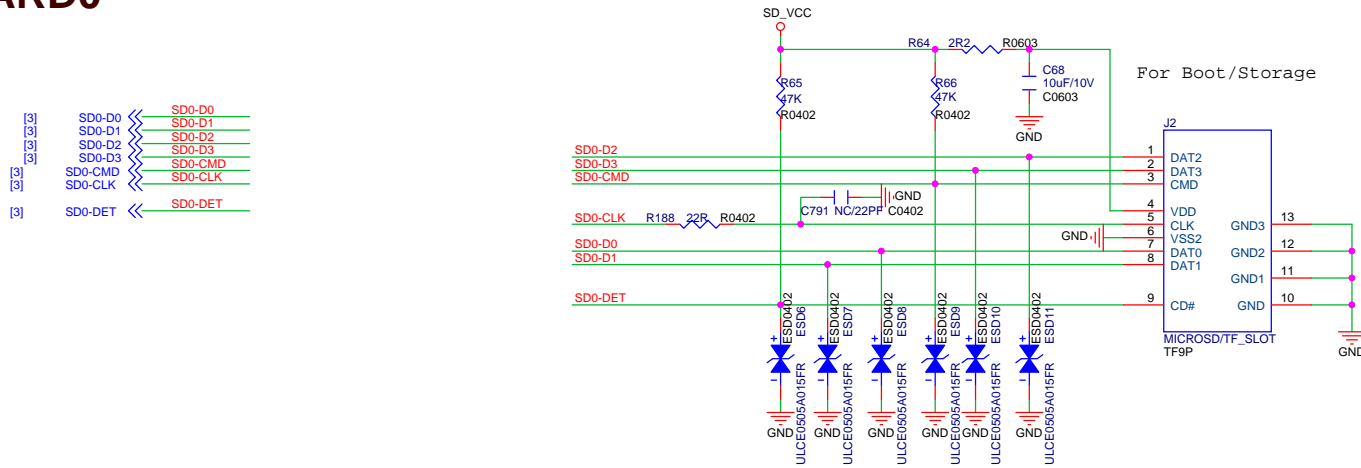
TP



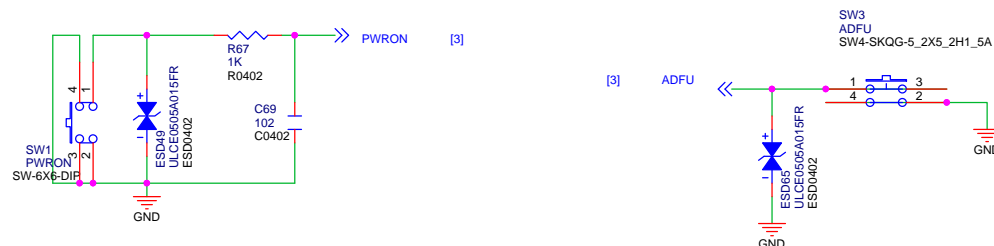
HDMI




CARD0

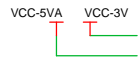


KEY

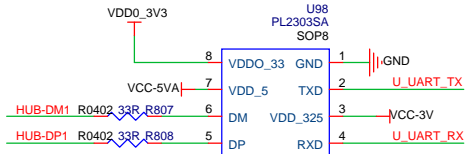
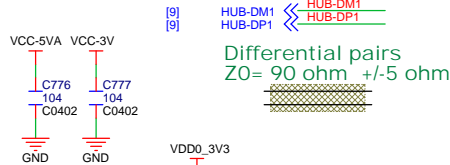


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| Title Cubie AIO-S500 | | | |
| Size A3 | Document Number | Rev V10 | |
| Date: Wednesday, September 06, 2017 Sheet 7 of 15 | | | |

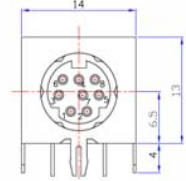
UART x 4



USB TO UART1

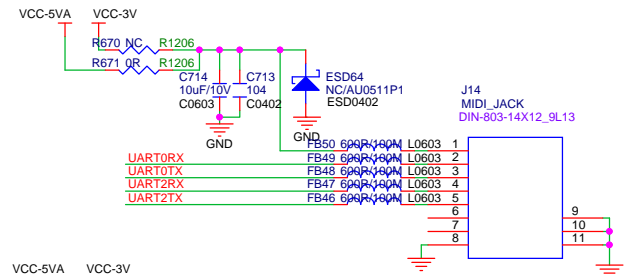


MIDI JACK

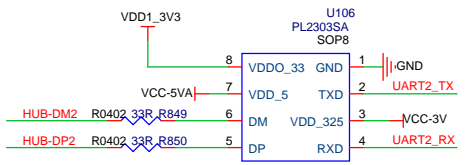
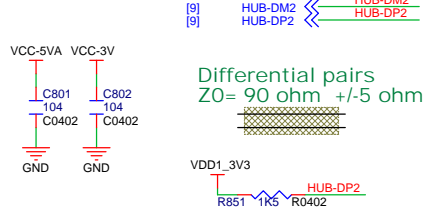


PCB板安装孔图

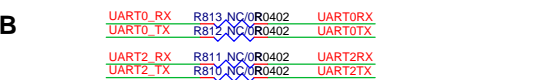
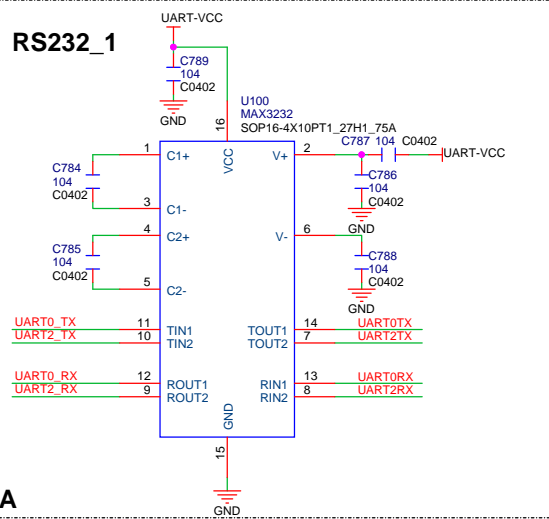
MDC-8-03



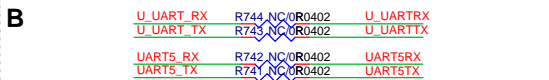
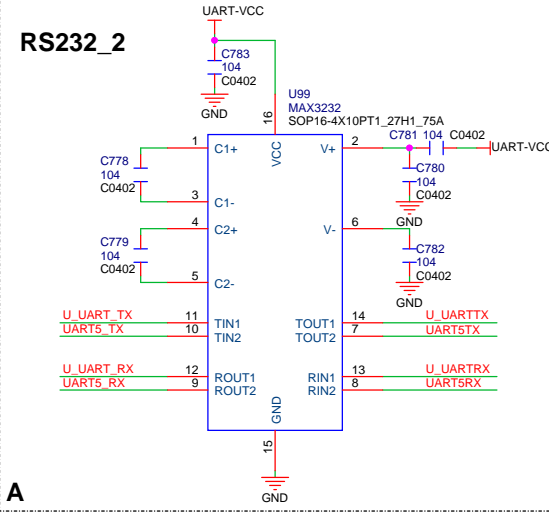
USB TO UART2



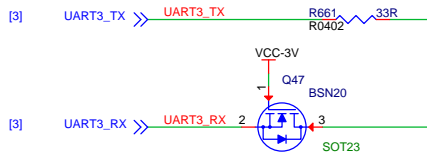
RS232_1



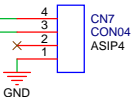
RS232_2



UART3



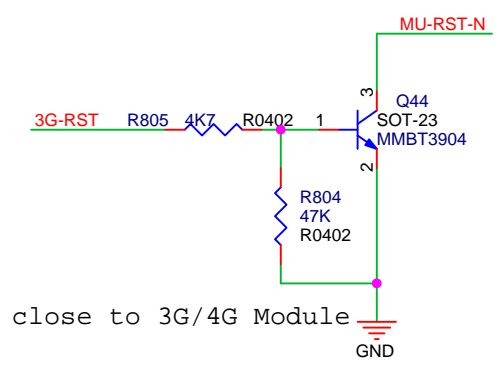
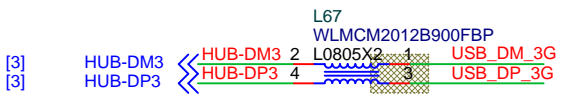
DEBUG



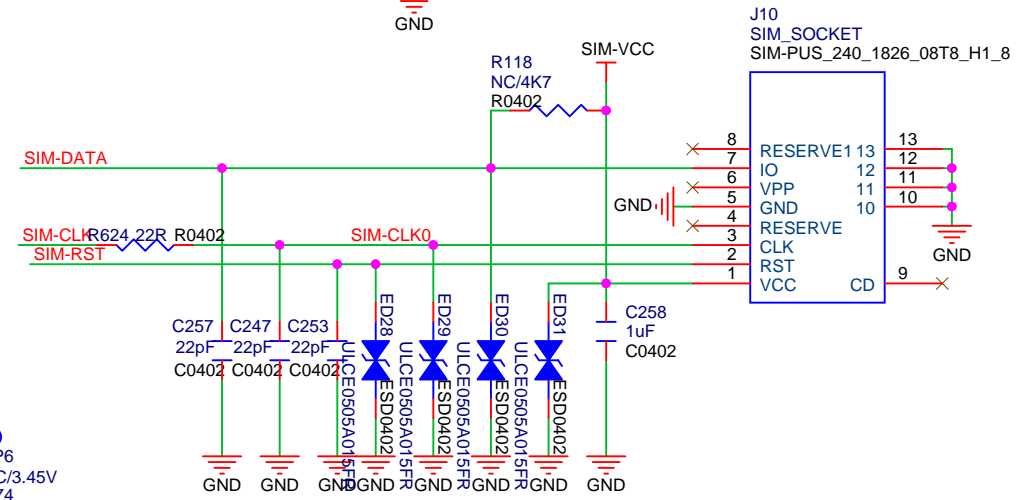
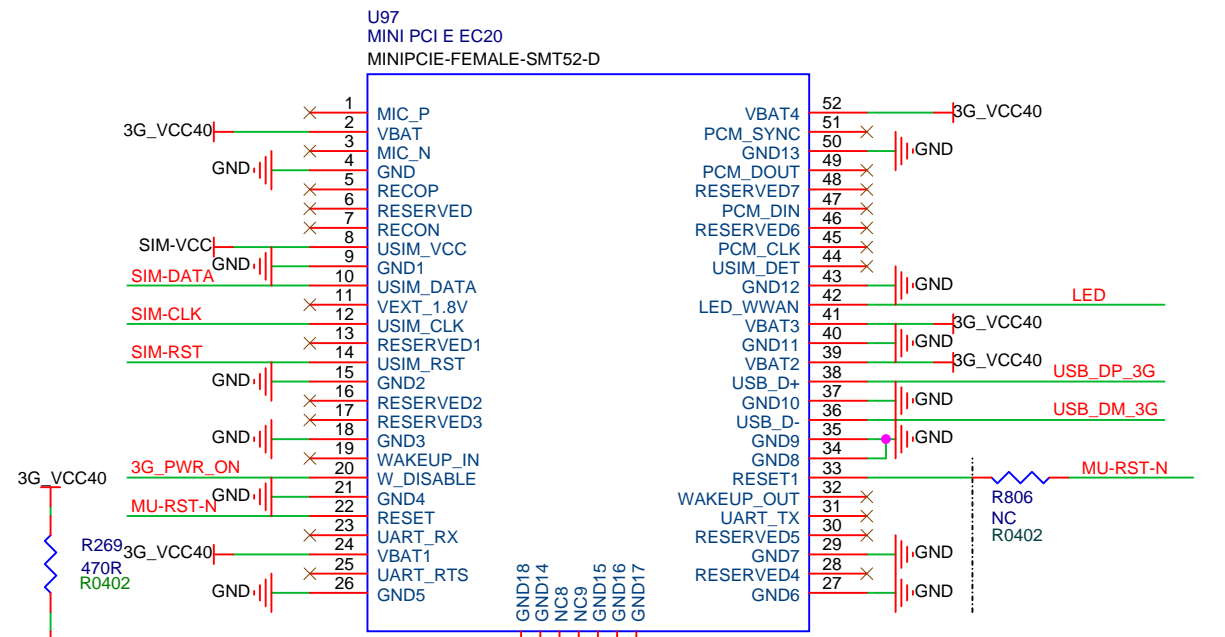
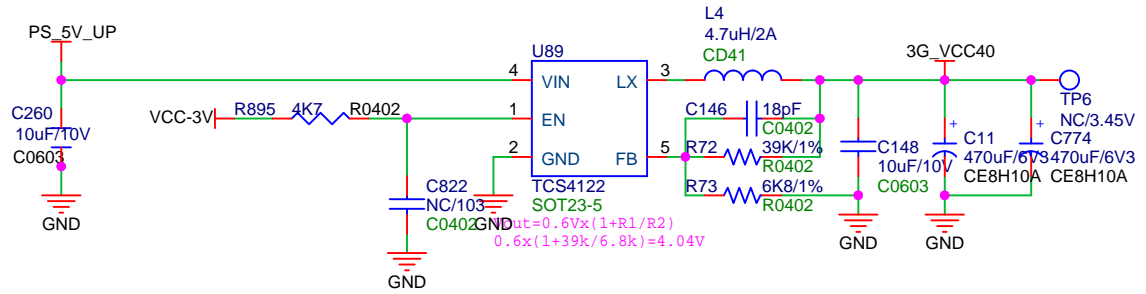
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| Title: Cubie AIO-S500 | | |
| Size: A3 | Document Number: UART(RS232) x 4 | Rev: V10 |
| Date: Wednesday, September 06, 2017 | Sheet: 10 | of 15 |


4G MODULE

RF Microstrip
Z0= 90 ohm



close to 3G/4G Module





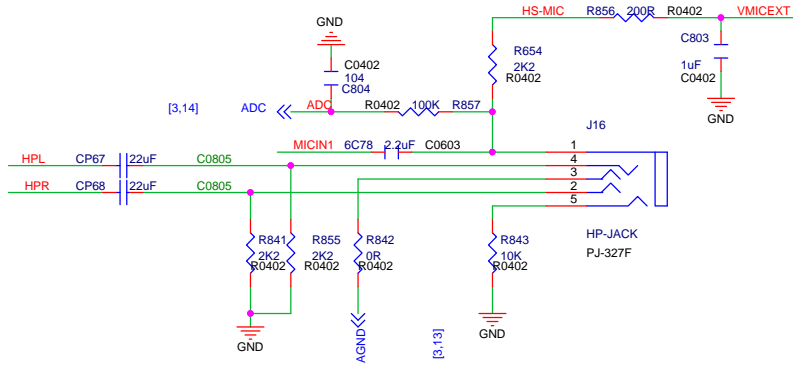
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|----------------|-------------------------------|----------------|
| Title | | |
| Cubie AIO-S500 | | |
| Size | Document Number | Rev |
| A4 | 3G/4G | V10 |
| Date: | Wednesday, September 06, 2017 | Sheet 11 of 15 |

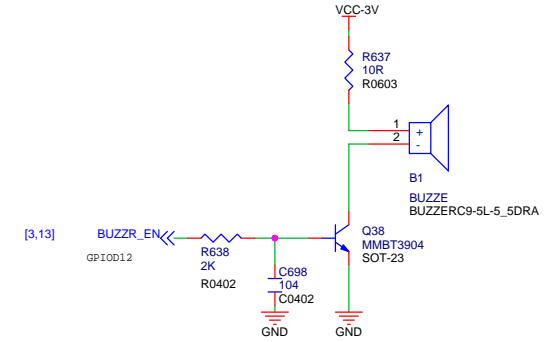
Head Phone

- [3] HPL << HPL
- [3] HPR << HPR
- [3,13,14] VMIC << VMICEXT
- [3,13,14] MICIN1 << MICIN1



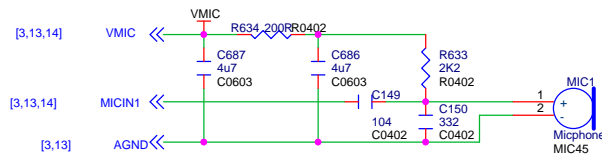
BUZEER

- [3,13] BUZZR_EN << BUZZR_EN



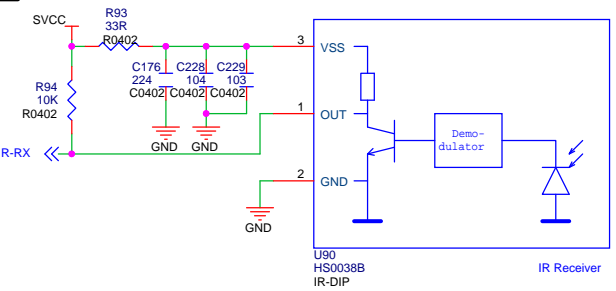
Microphone

- [3,13,14] VMIC << VMIC
- [3,13,14] MICIN1 << MICIN1
- [3,13] AGND << AGND



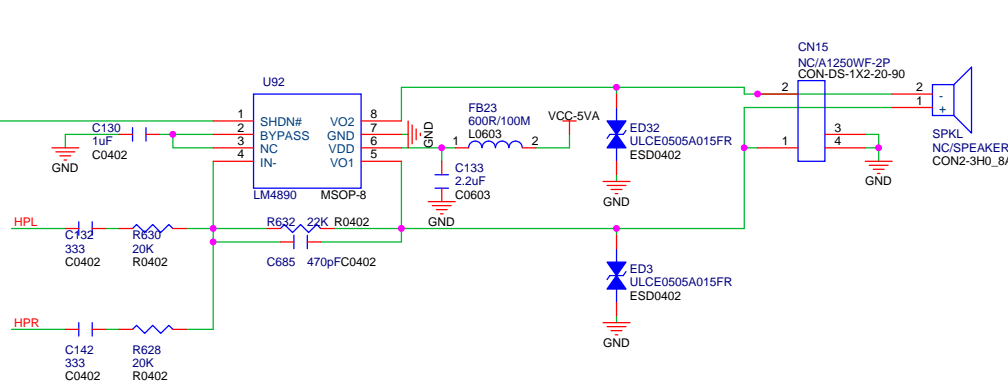
IR MODULE


- [3,14] IR-RX << IR-RX



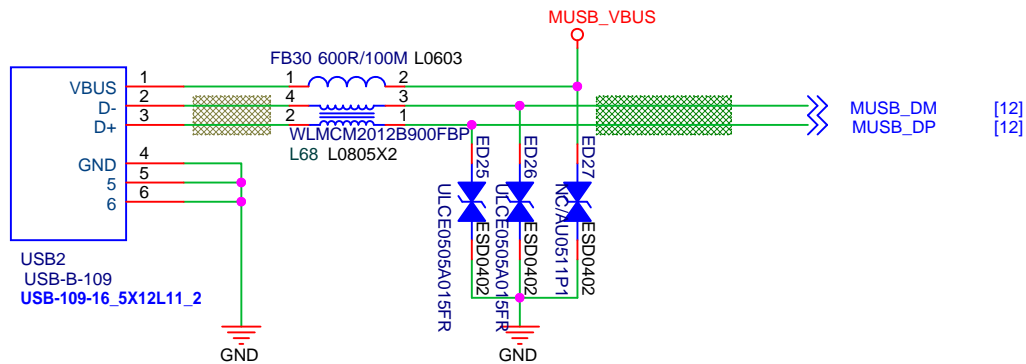
SPK

- [3,14] PA-SHDN# << PA-SHDN#

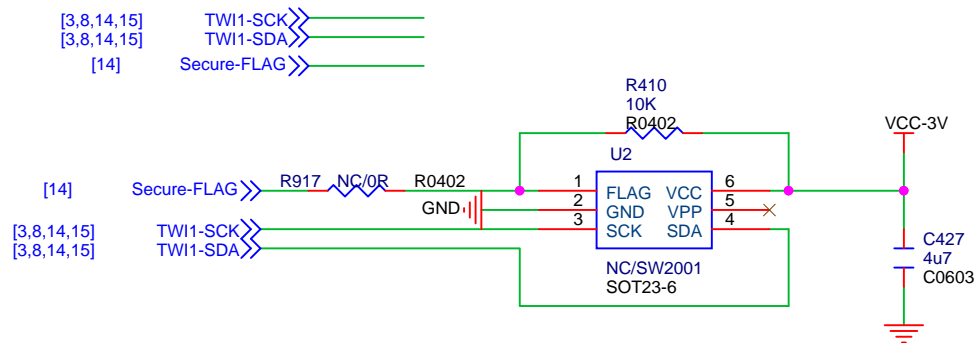


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| Title: Cubie AIO-S500 | | | |
| Size A3 | Document Number HP/MIC/SPK/BEE | Rev V10 | |
| Date: Wednesday, September 06, 2017 | Sheet 13 | of 15 | |

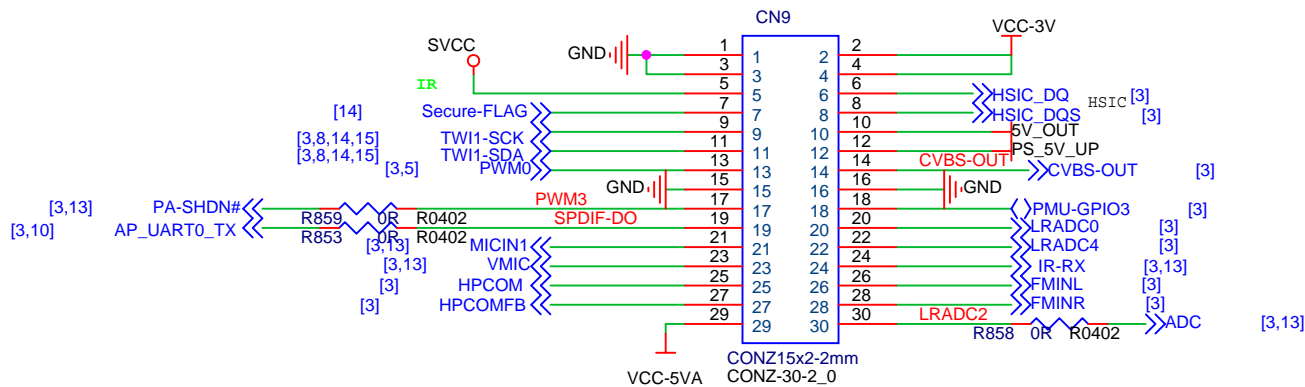
USB-B



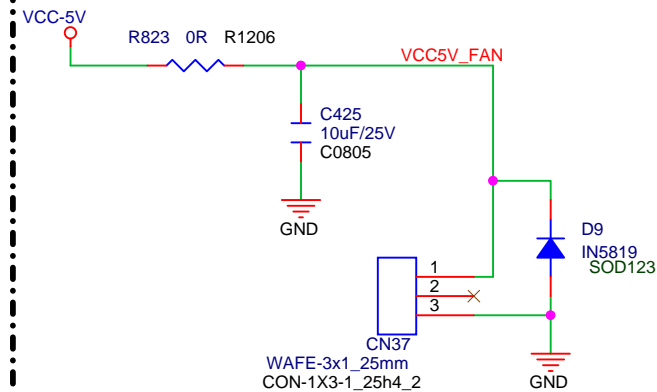
Secure



Extention interface



FAN

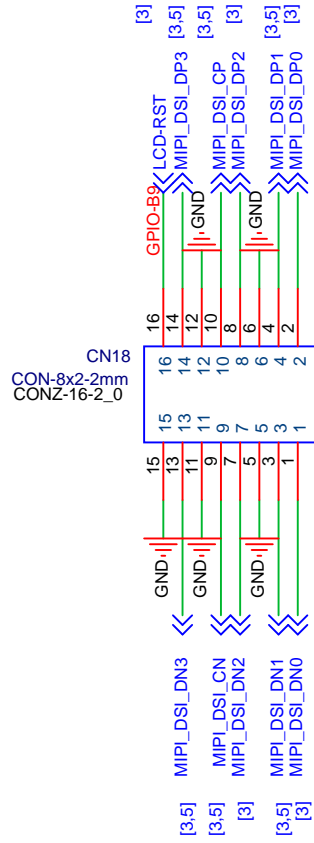
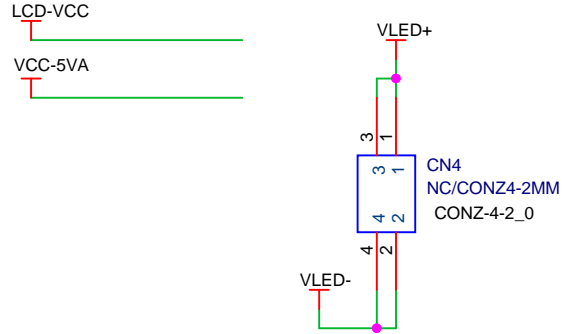


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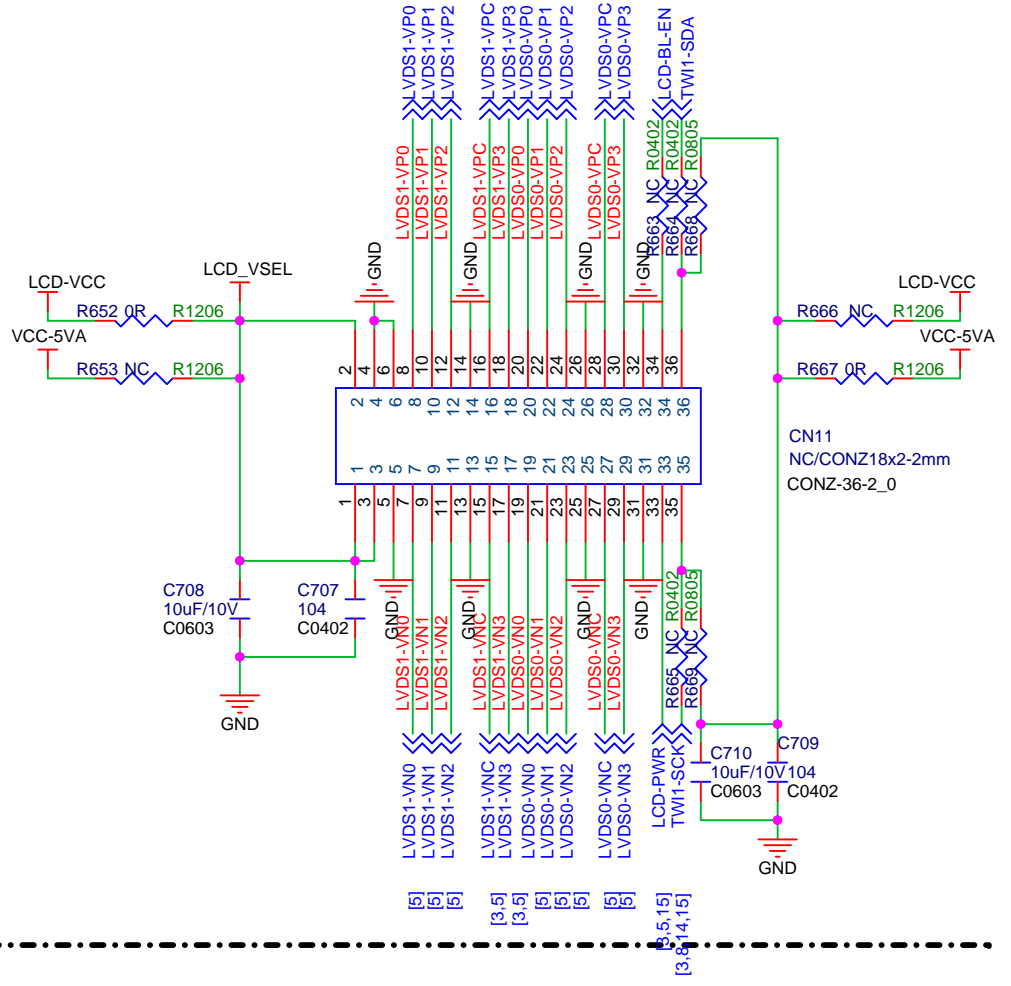
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| Title Cubie AIO-S500 | | |
| Size A4 | Document Number EXT.GPIO/Secure | Rev V10 |
| Date: Wednesday, September 06, 2017 | Sheet 14 | of 15 |

MIPI / LVDS LCD

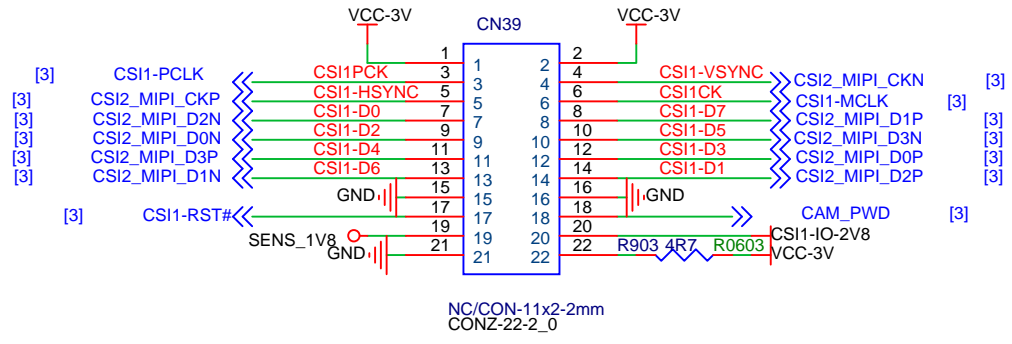
[3,8,14,15] TWI1-SDA
 [3,8,14,15] TWI1-SCK
 [3,5,15] LCD-PWR
 [3,5,15] LCD-BL-EN




Differential pairs
 $Z_0 = 100 \text{ ohm} \pm 5 \text{ ohm}$



MIPI/DVP Camera





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|----------------|-------------------------------|----------------|
| Title | | |
| Cubie AIO-S500 | | |
| Size | Document Number | Rev |
| A4 | LCD Con For LeHua | V10 |
| Date: | Wednesday, September 06, 2017 | Sheet 15 of 15 |