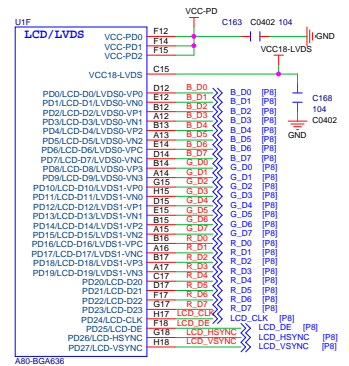
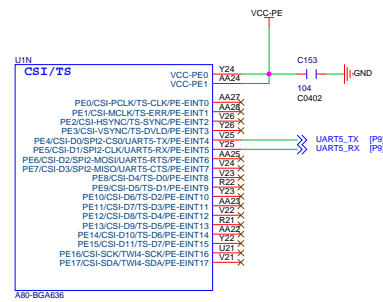
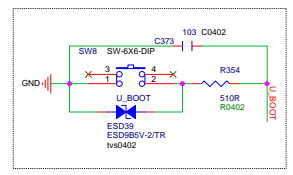
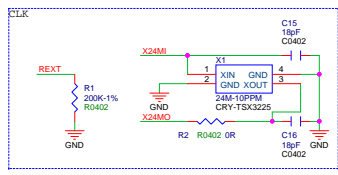
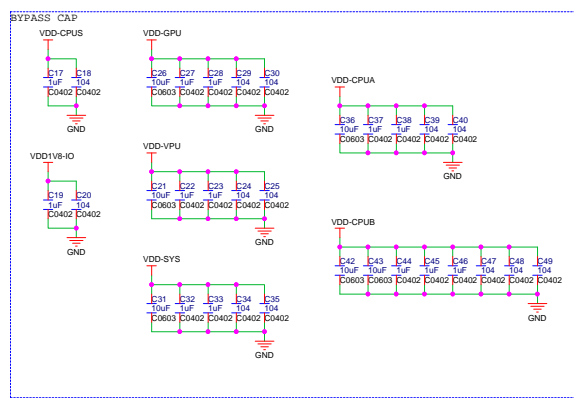
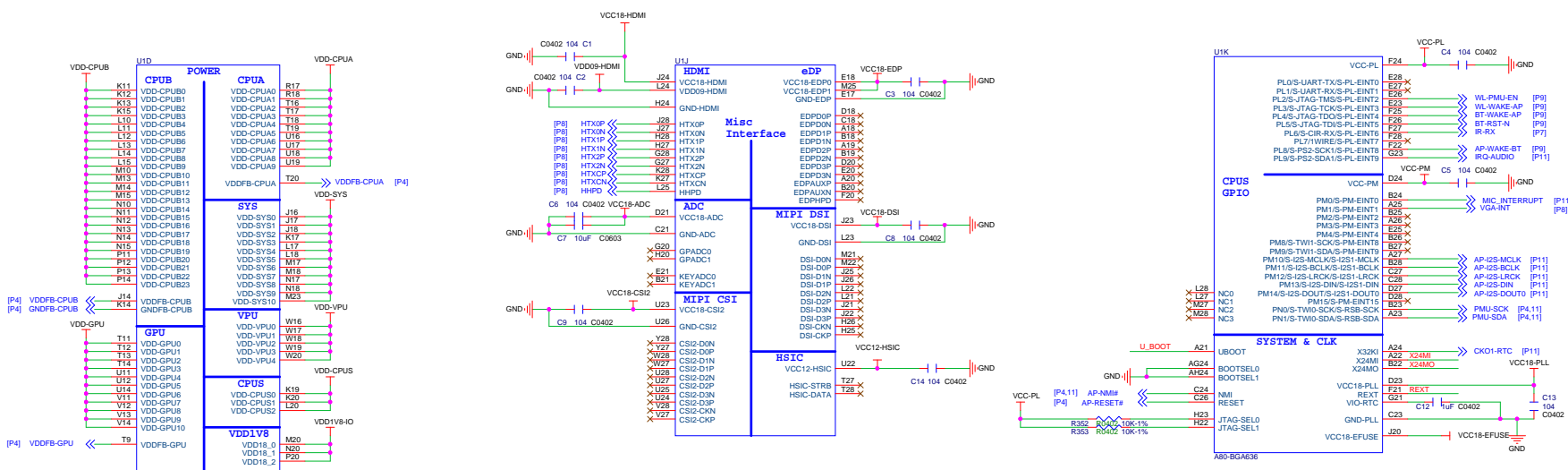
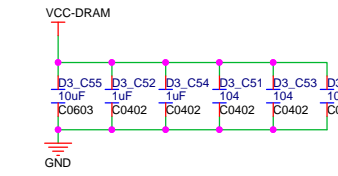
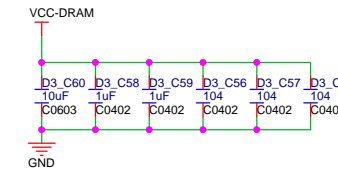
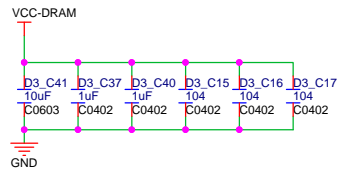
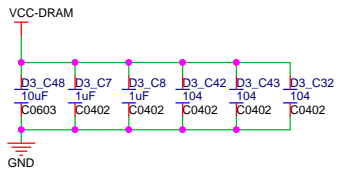
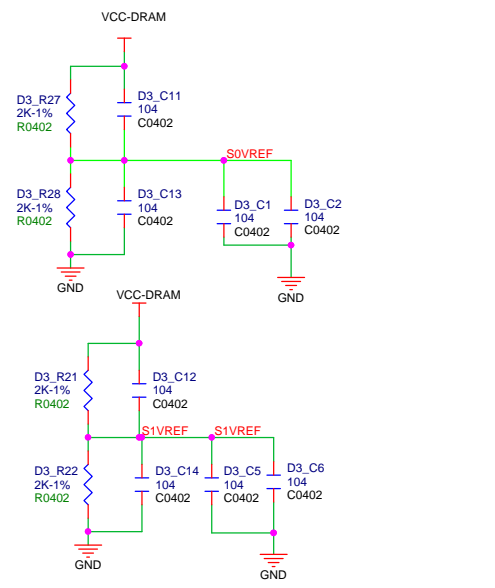
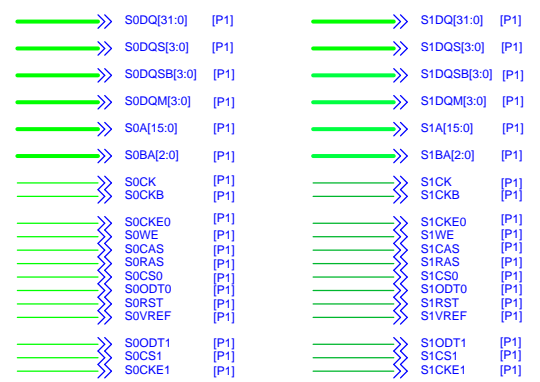
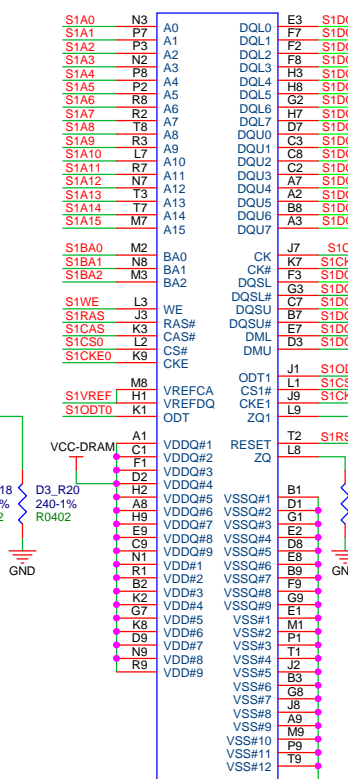
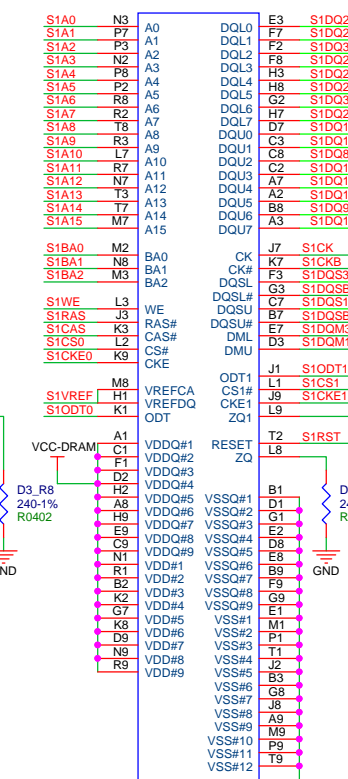
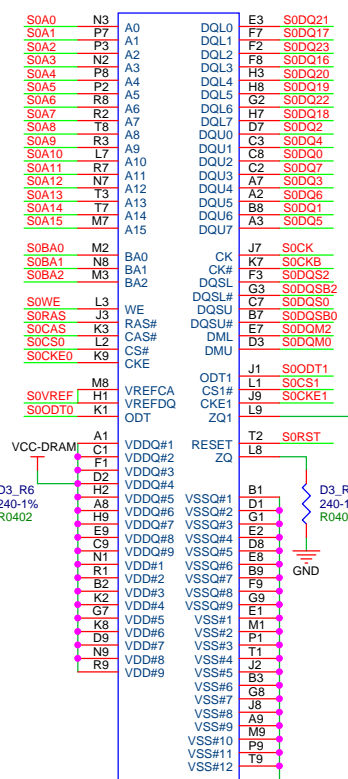
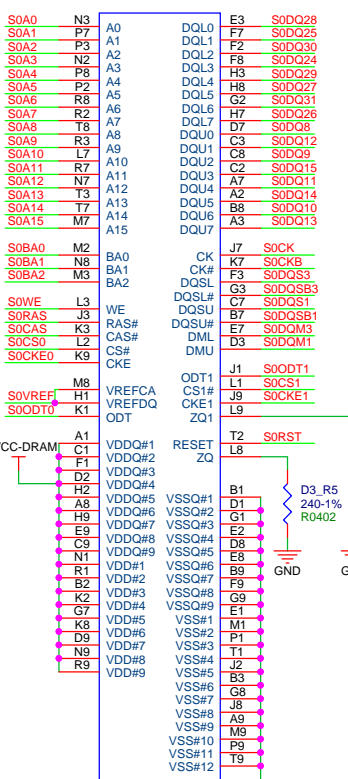


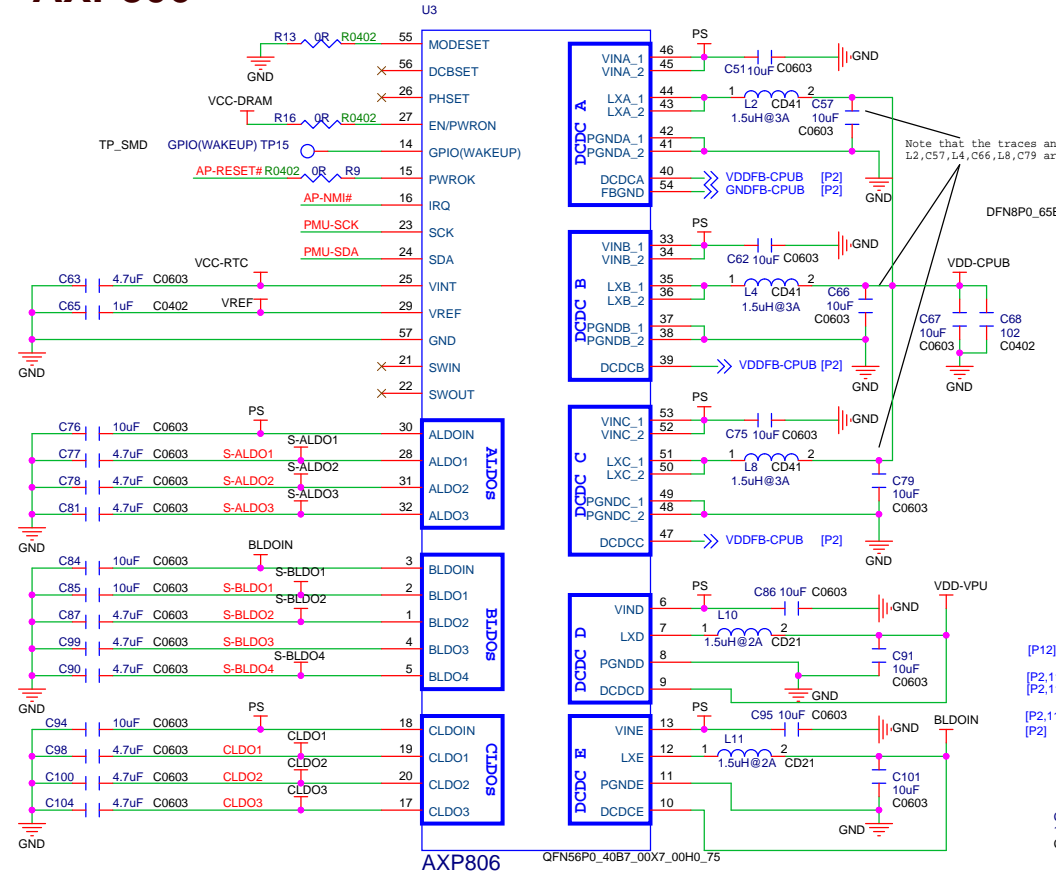
# CPU2



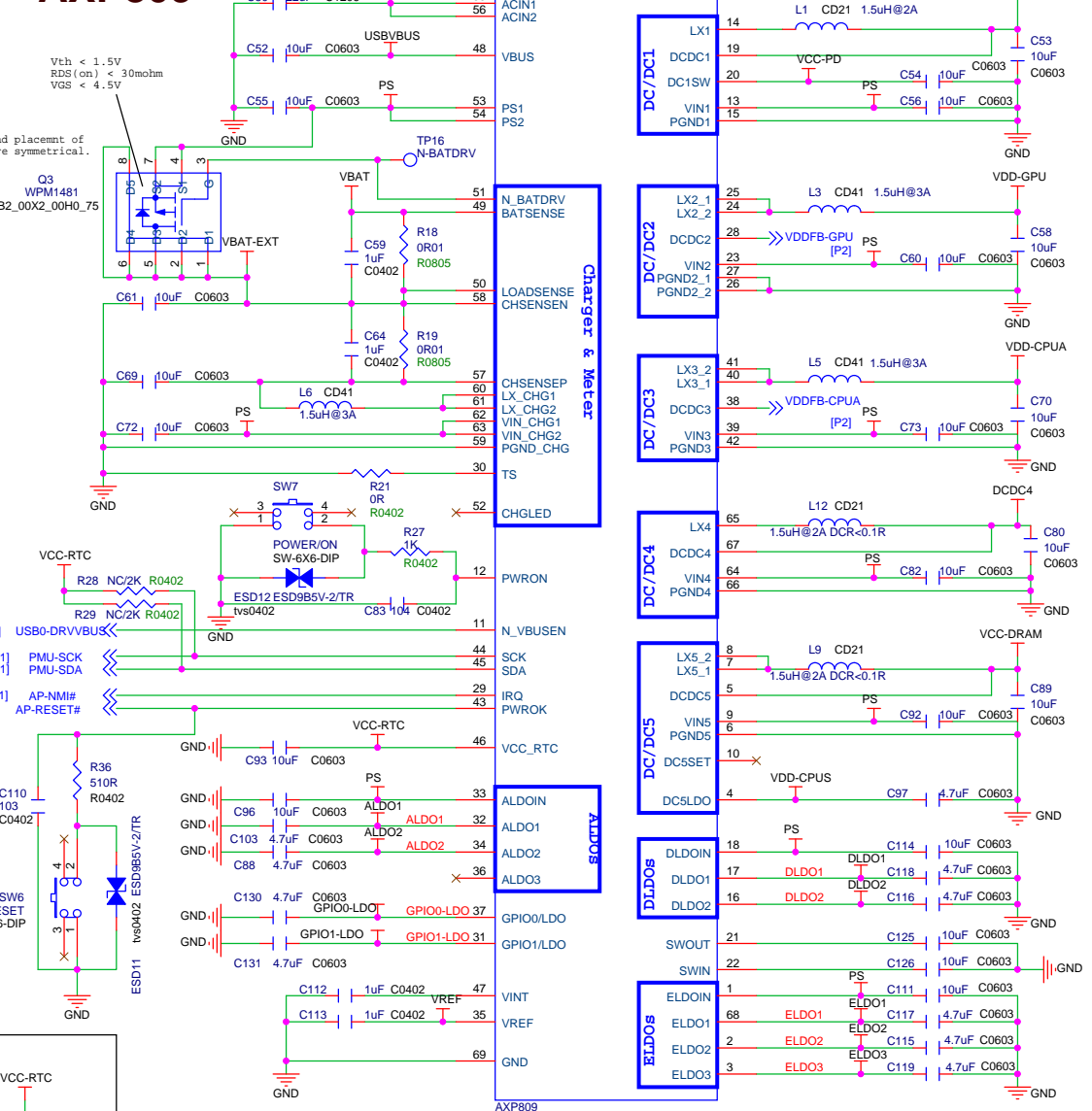
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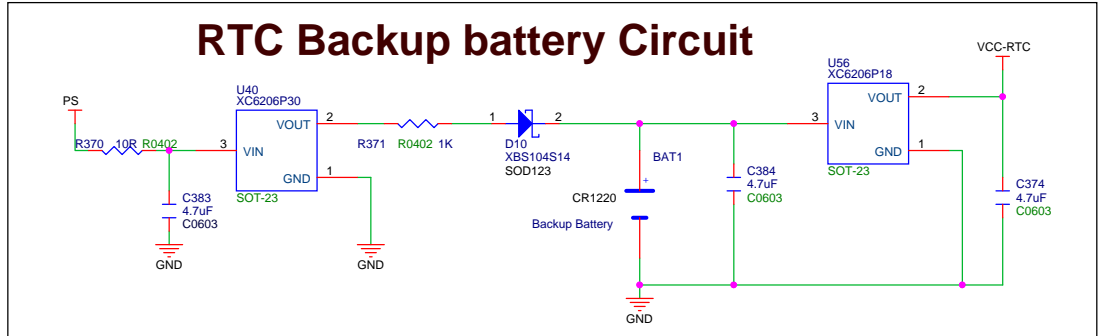
# AXP806



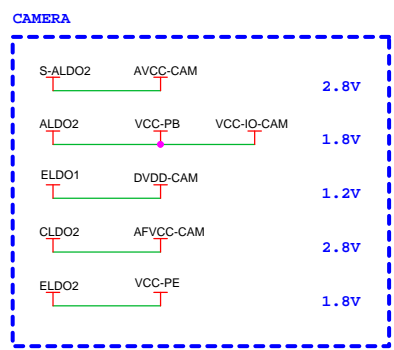
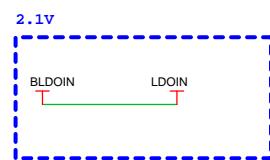
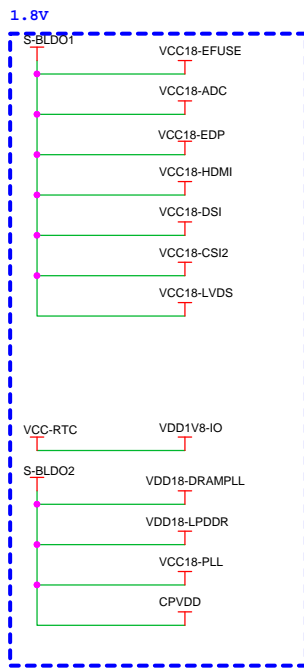
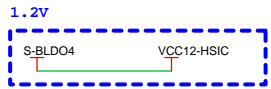
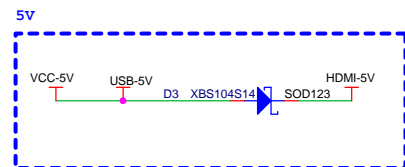
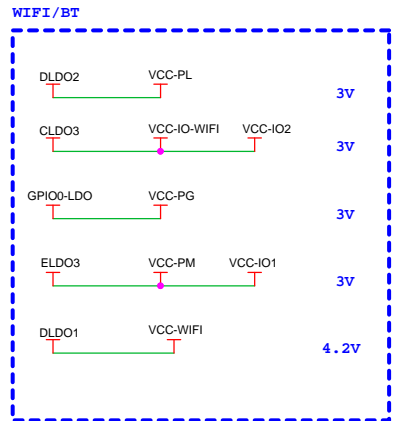
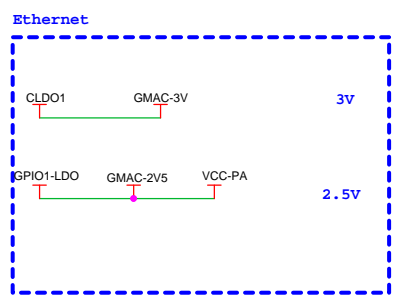
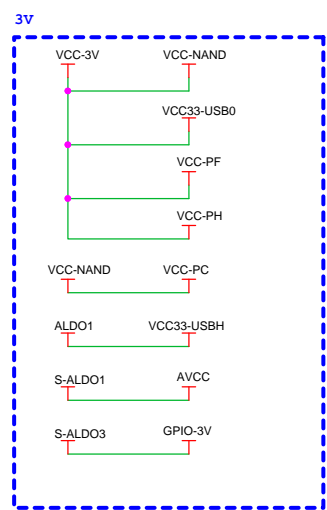
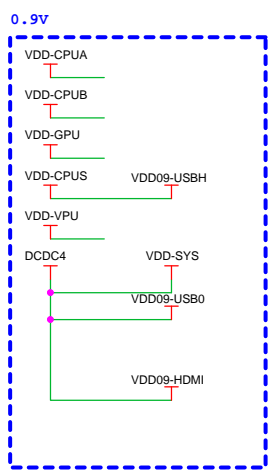
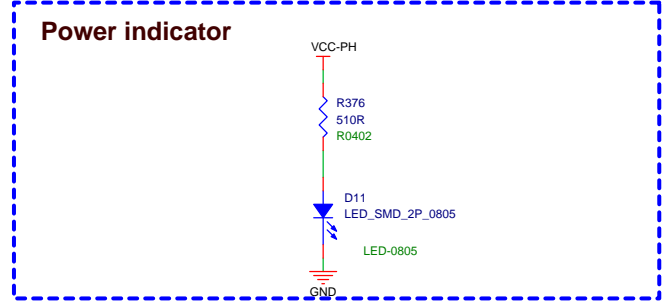
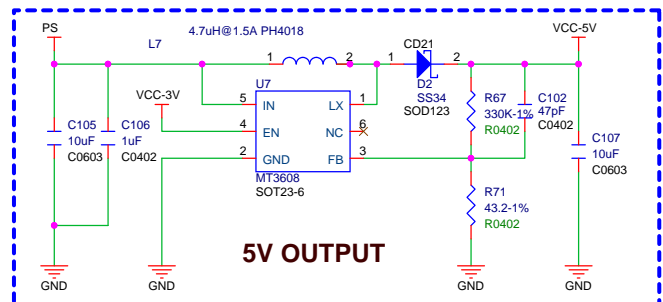
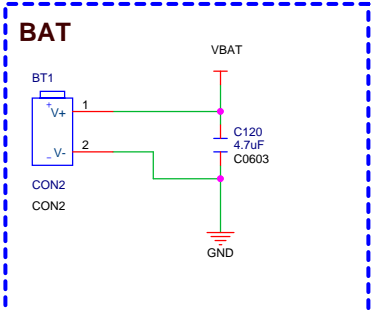
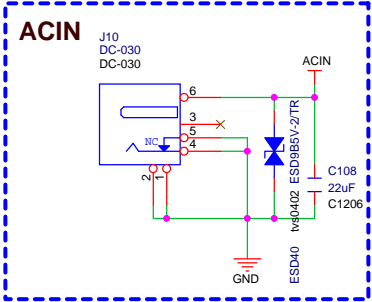
# AXP809



## RTC Backup battery Circuit

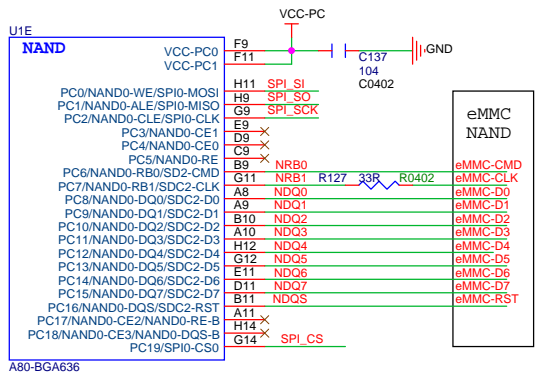


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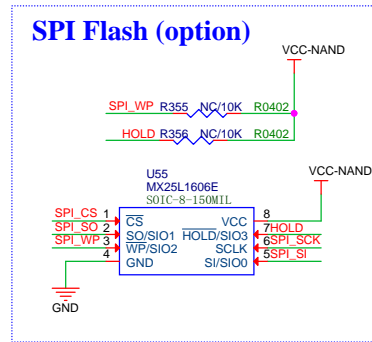
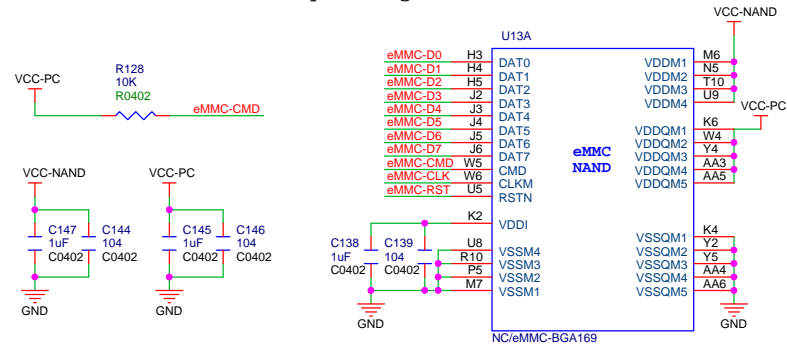


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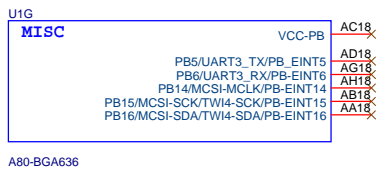
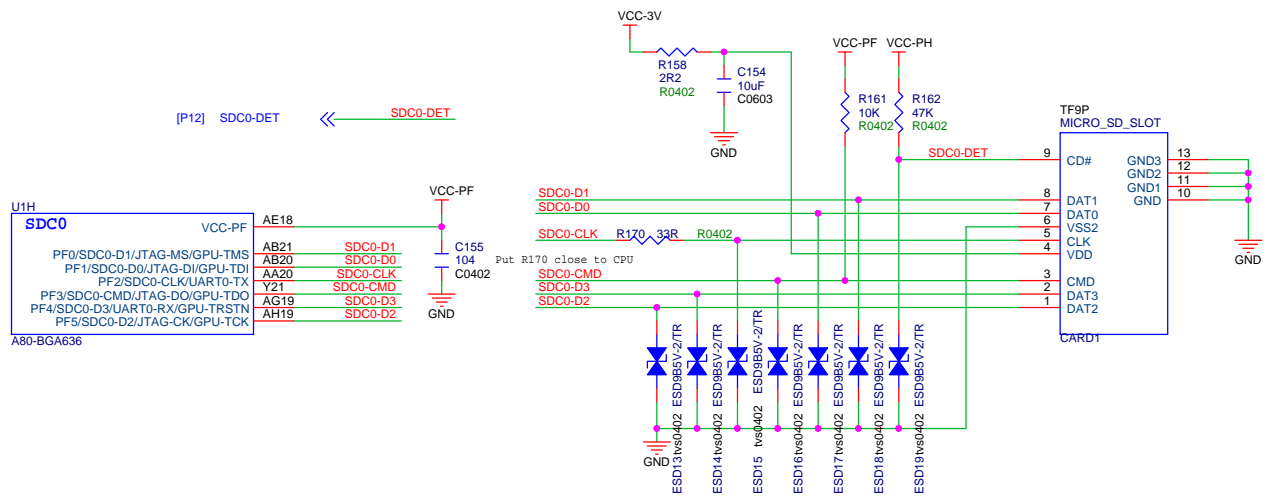
# SPI FLASH/eMMC



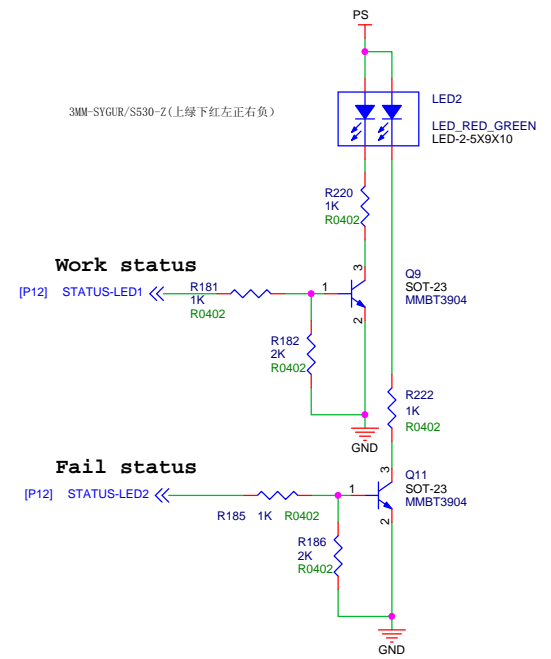
Both eMMC NAND and first TSOP NAND layout together



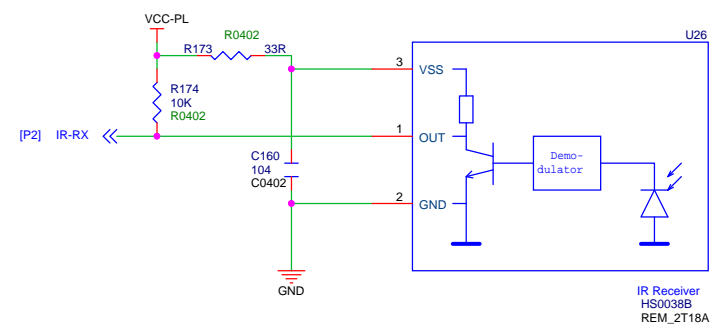
# SD Card



# LED-Indicator

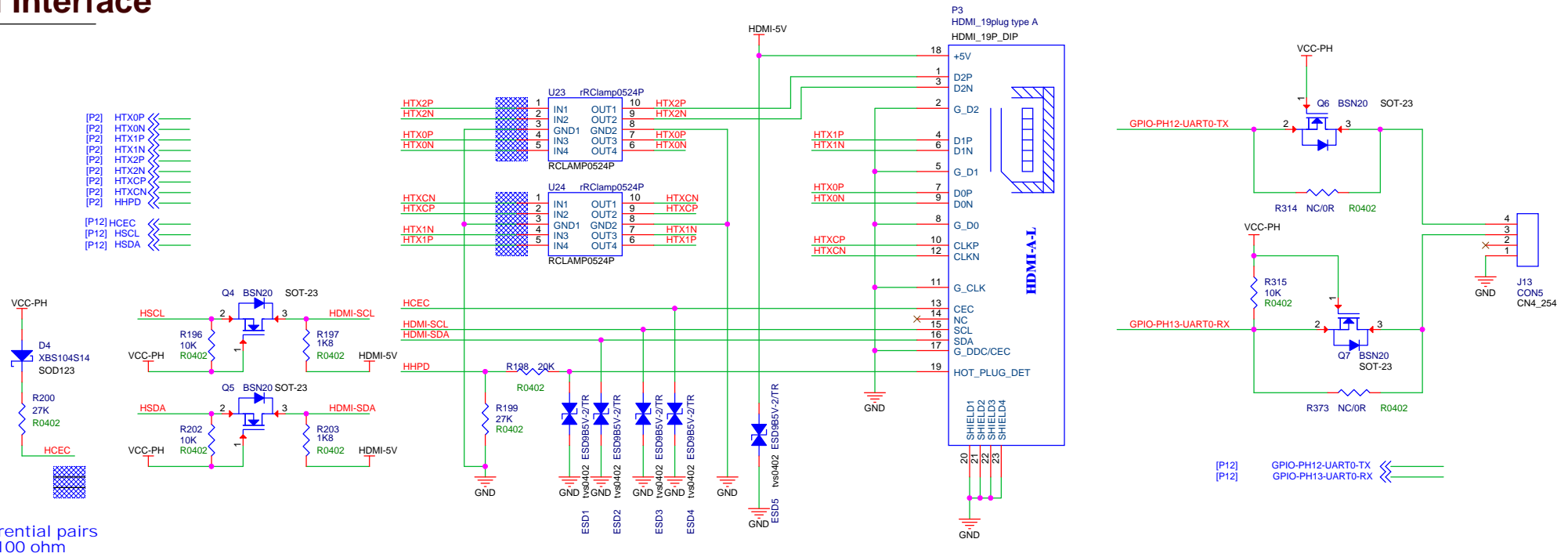


# IR

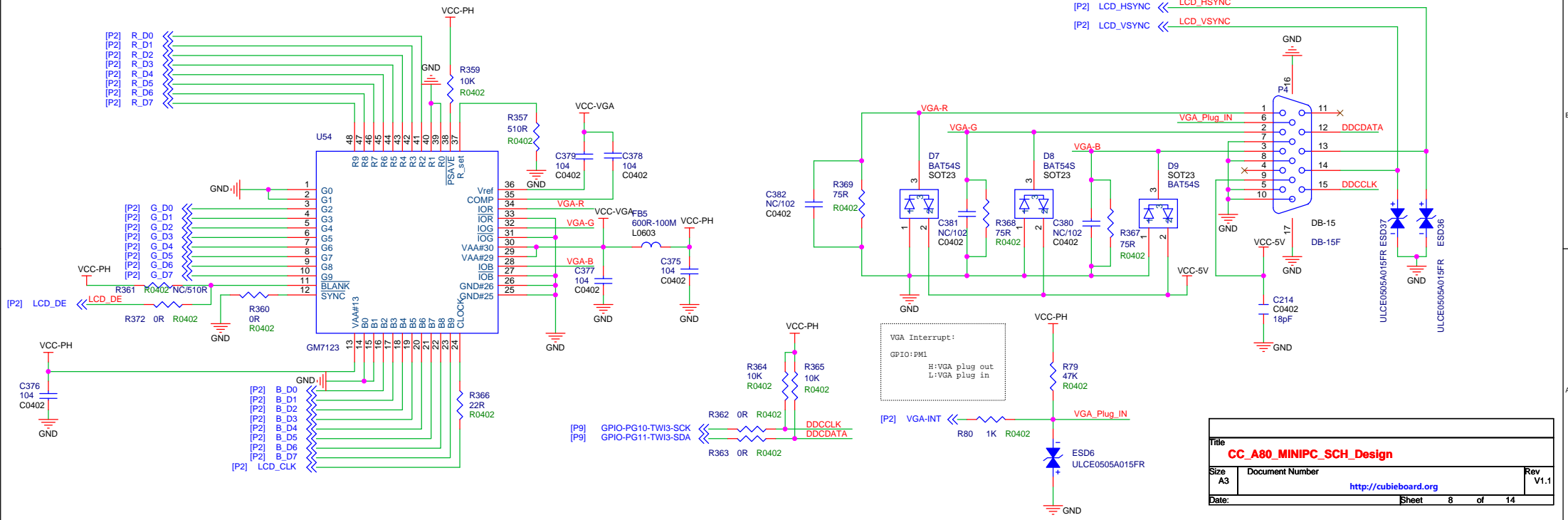


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# HDMI Interface



# RGB to VGA Conversion



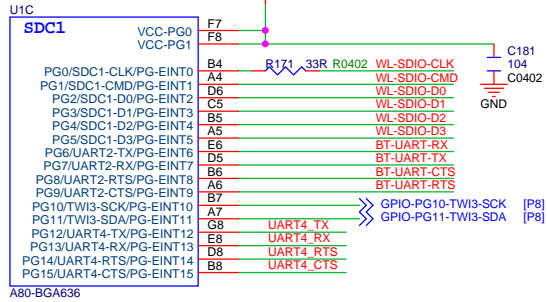


# WIFI/BT

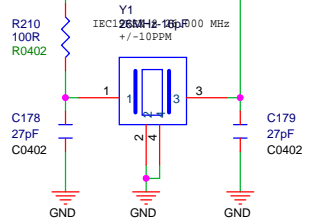
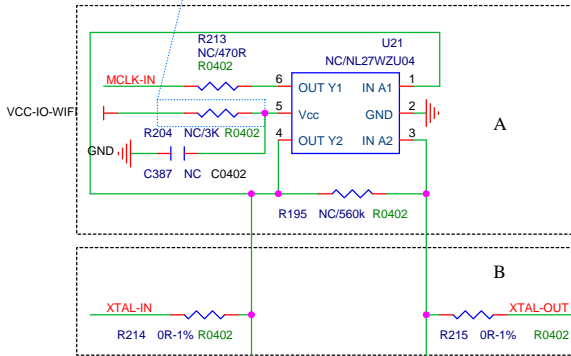
[P11] BT-PCM-CLK <--> BT-PCM-CLK  
 [P11] BT-PCM-SYNC <--> BT-PCM-SYNC  
 [P11] BT-PCM-DIN <--> BT-PCM-DIN  
 [P11] BT-PCM-DOOUT <--> BT-PCM-DOOUT  
 [P11] CODEC-32K <--> AP-CK32KO

[P2] WL-PMU-EN <--> WL-REG-ON  
 [P2] WL-WAKE-AP <--> WL-WAKE-AP

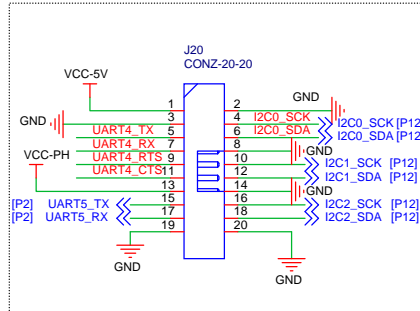
[P2] BT-WAKE-AP <--> BT-WAKE-AP  
 [P2] BT-RST-N <--> BT-RST-N  
 [P2] AP-WAKE-BT <--> AP-WAKE-BT



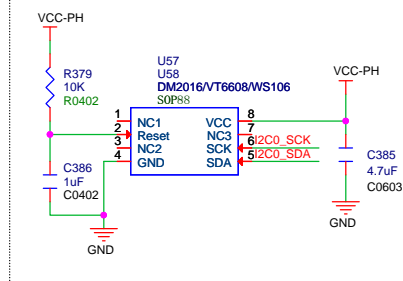
Note:  
 For VCC-IO-WIFI = 1.8V, R204 = 0R  
 For VCC-IO-WIFI = 3.0V, R204 = 3K



Note:  
 For AP6210, install A+C  
 For AP6330/AP6181, install B



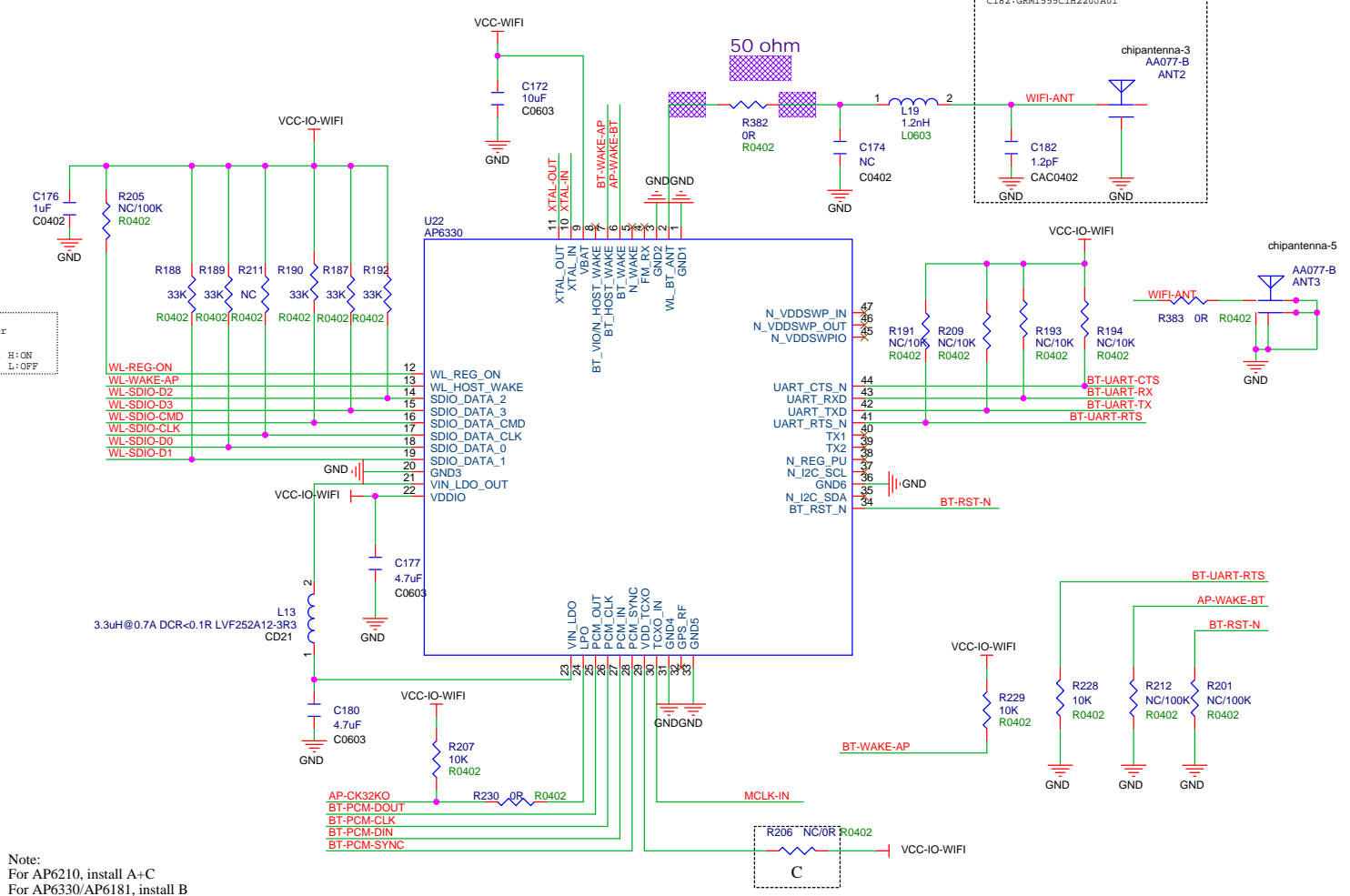
## Software Protect IC



There should be ground clearance around antenna.

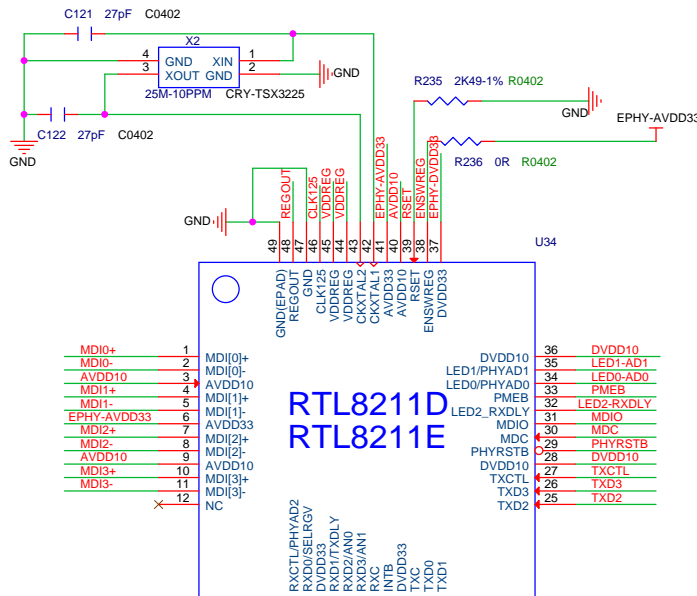
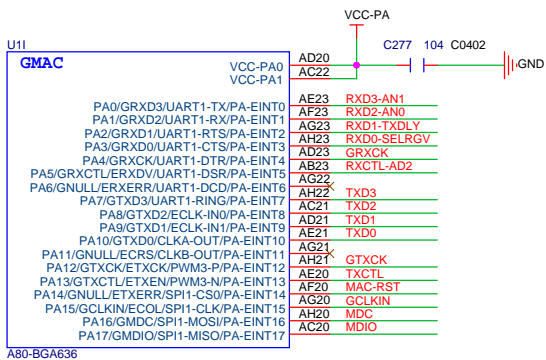
C184 and C183 are tuning elements.

C184:GRM1555C1H1R8CA01  
 C183:GRM1555C1H1R5CA01  
 C182:GRM1555C1H2207A01

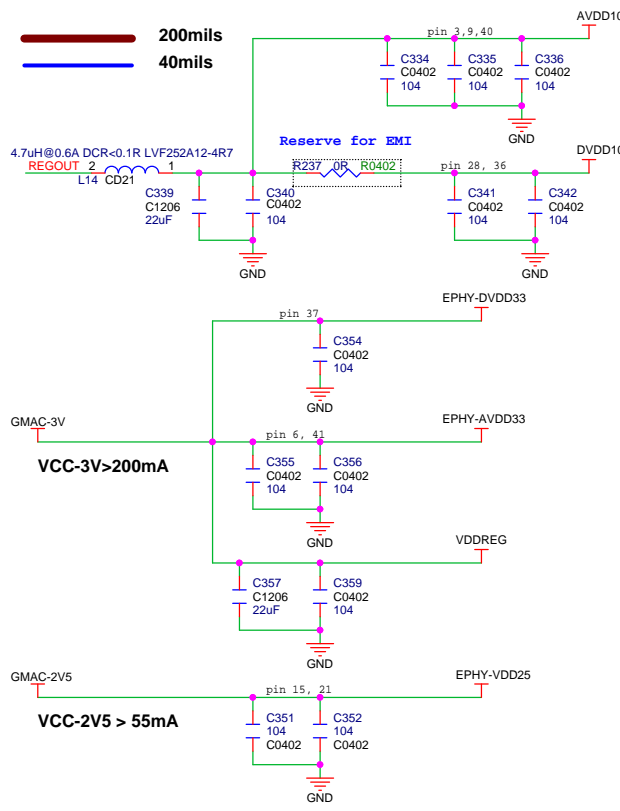
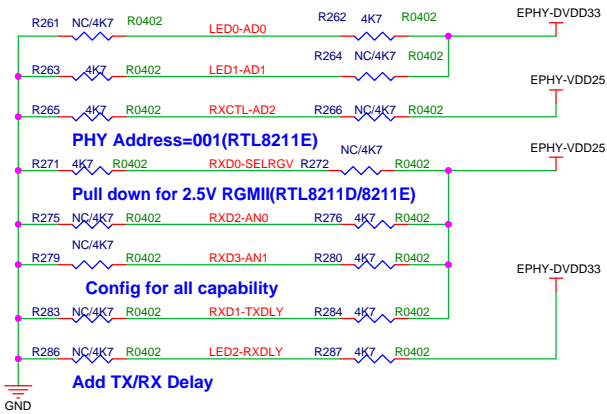
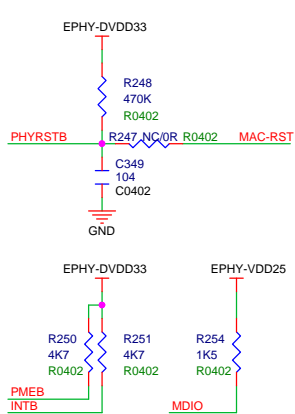
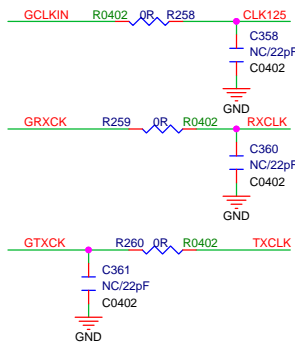


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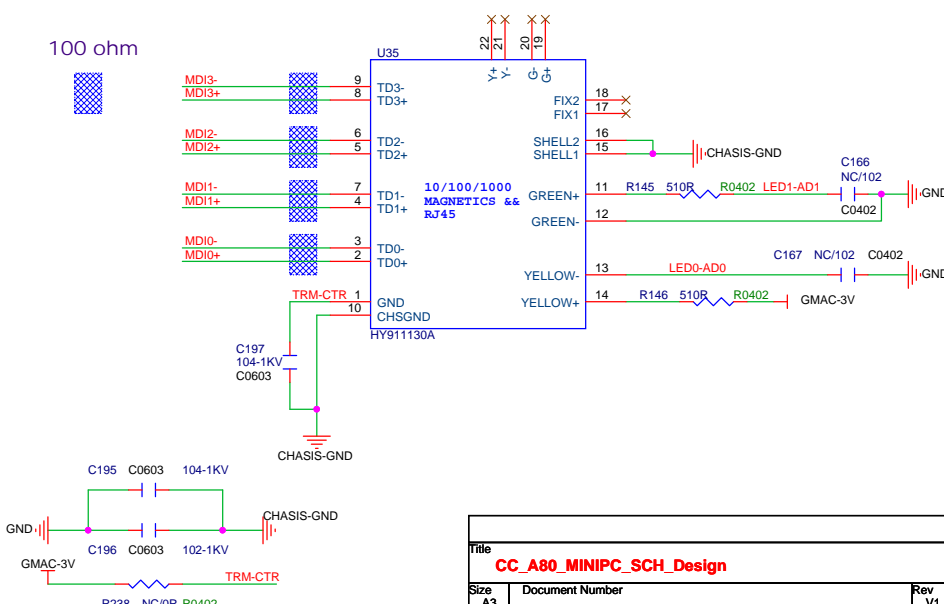
# ETHERNET



The placement of R258 R259 C358 C360 is close to PHY.  
The placement of R260 C361 is close to AP.

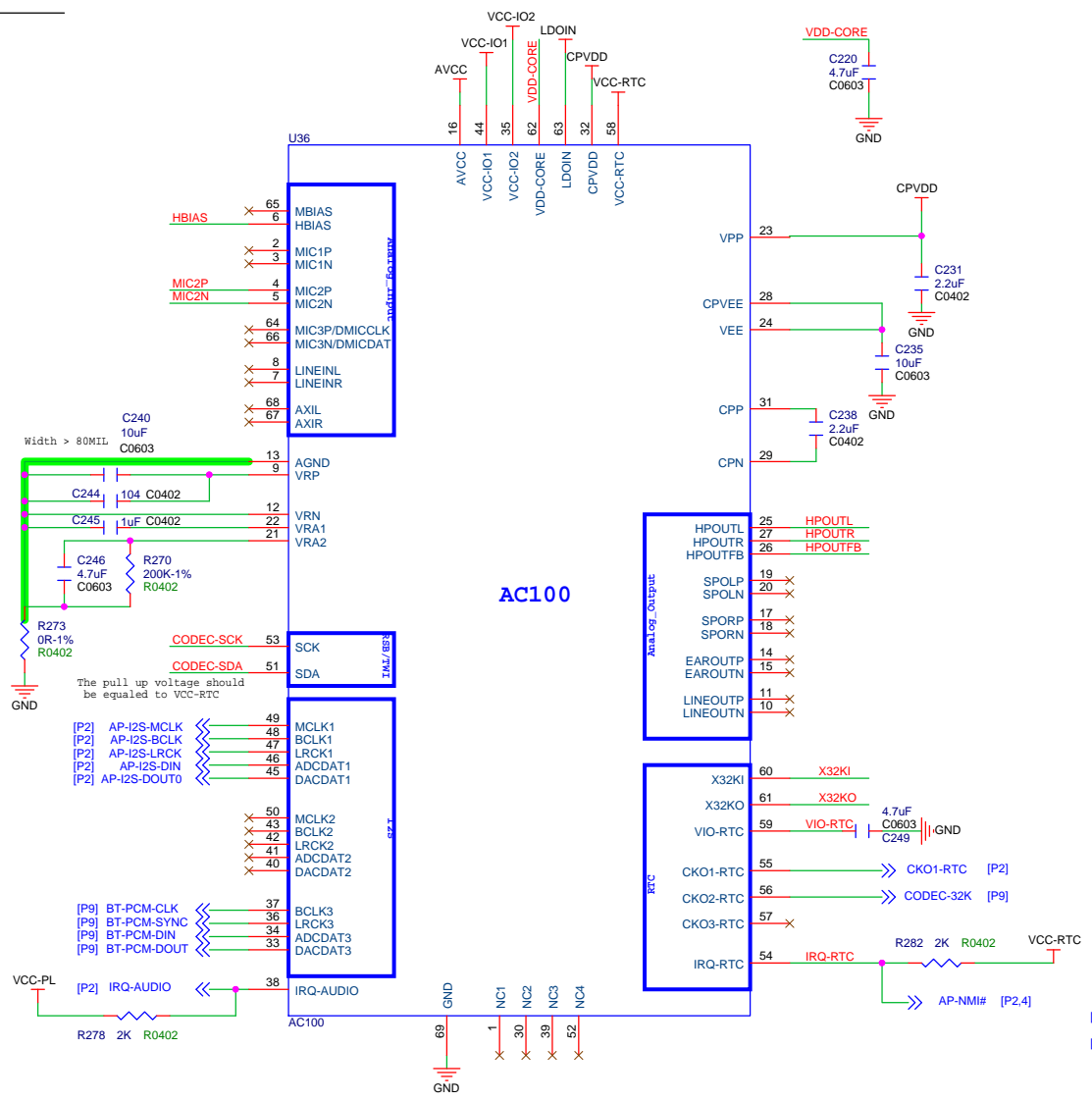


100 ohm

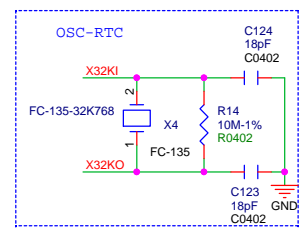
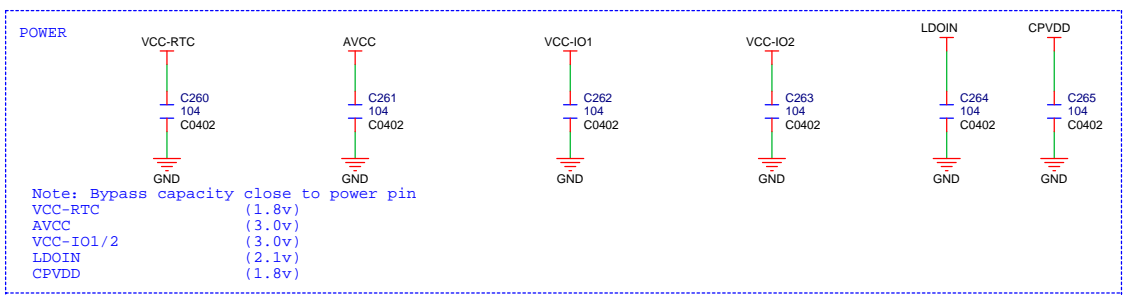
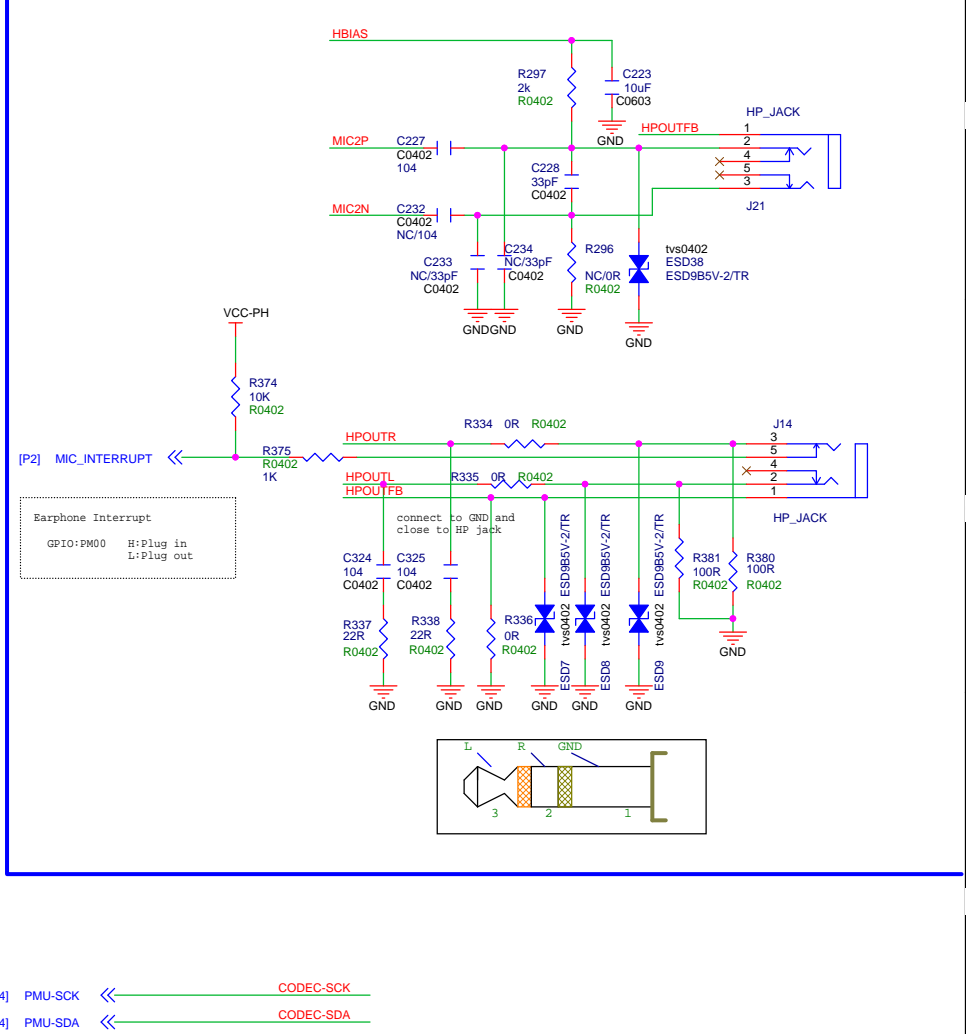


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# CODEC

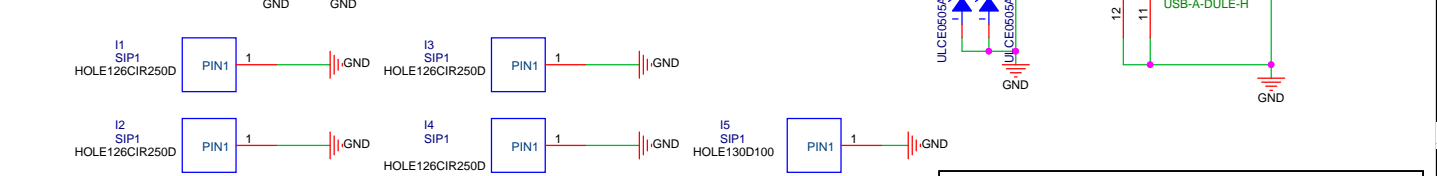
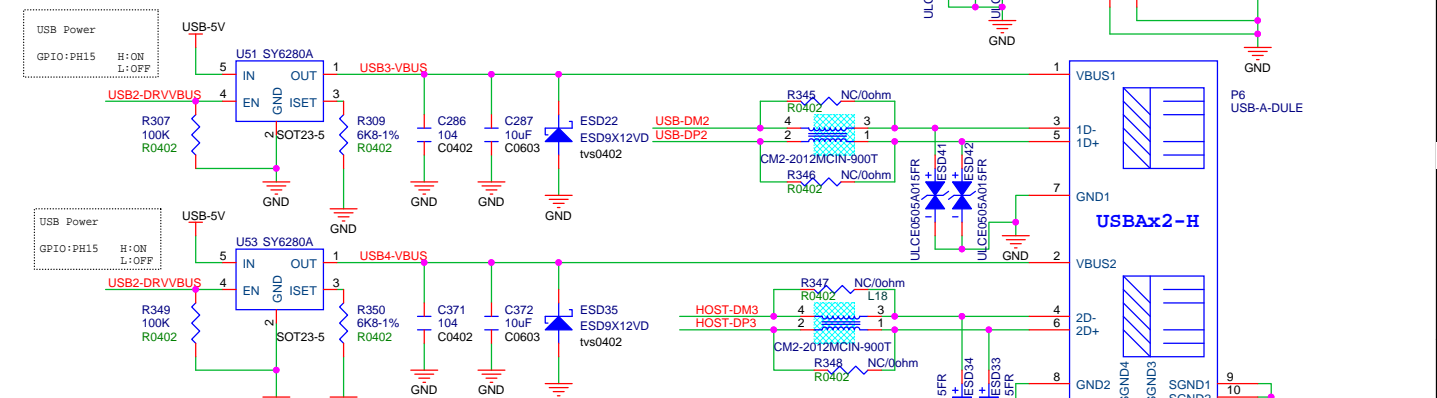
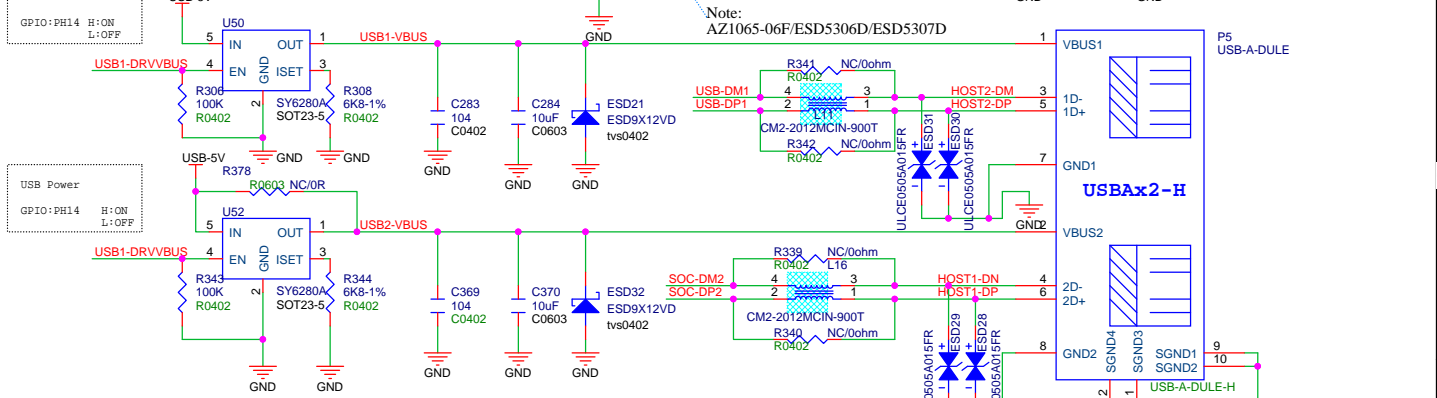
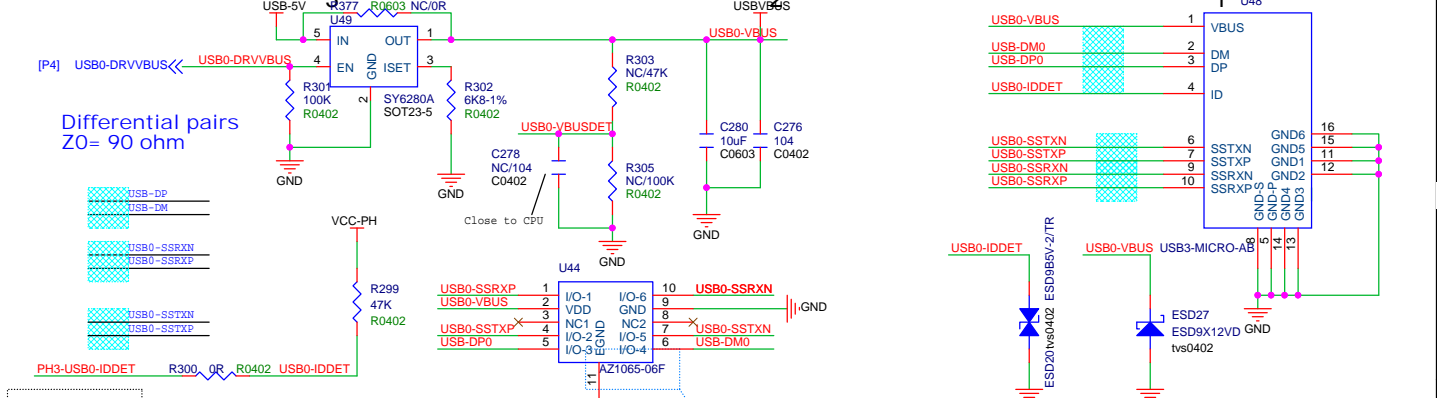
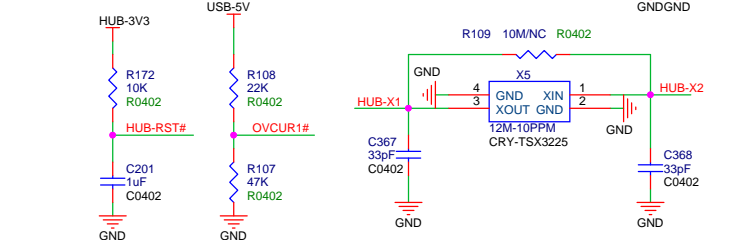
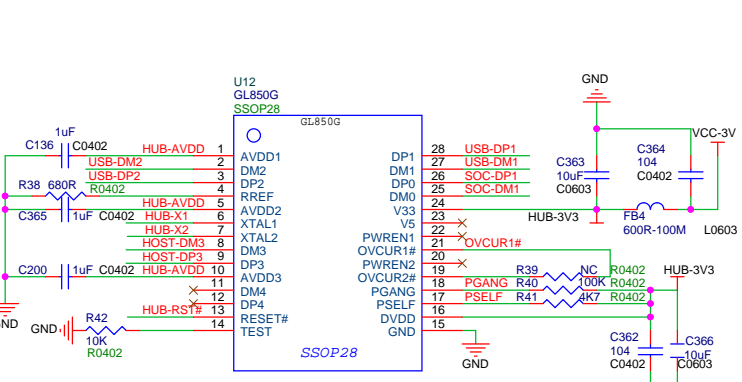
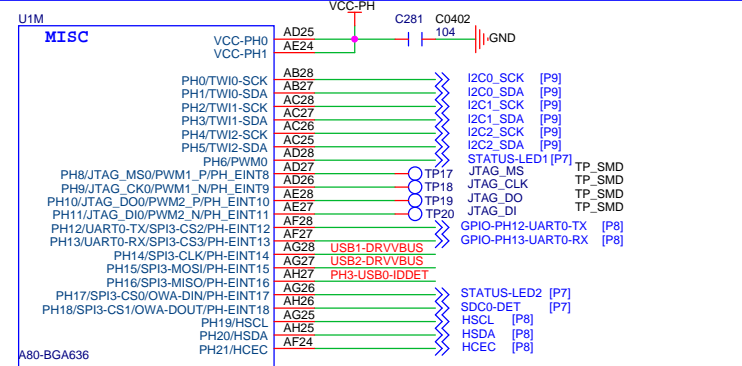
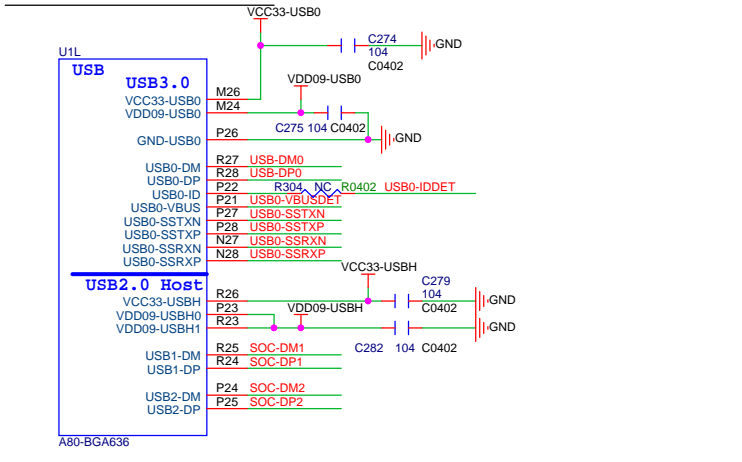


# External MIC IN and Earphone



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# USB Interface



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