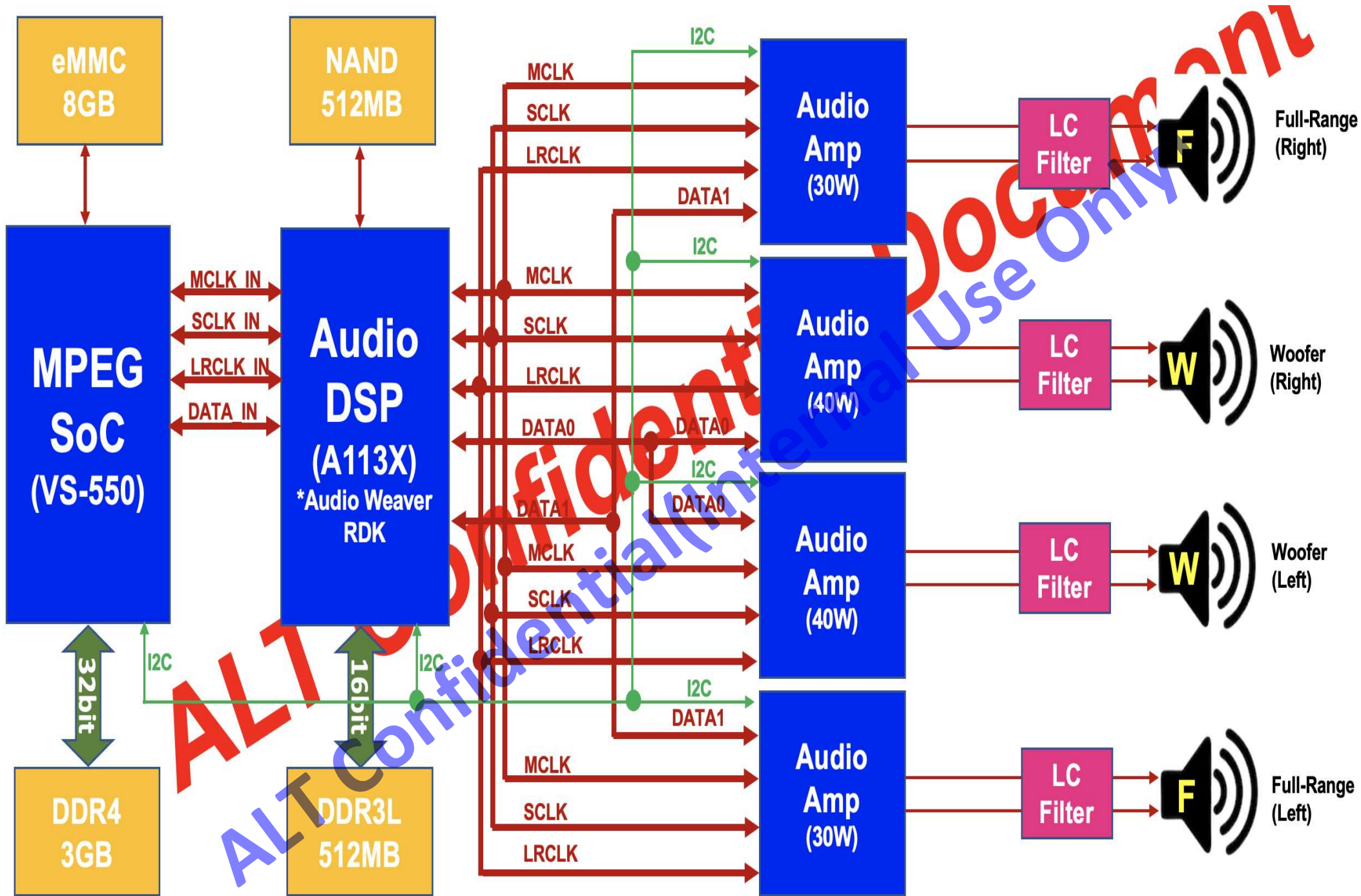
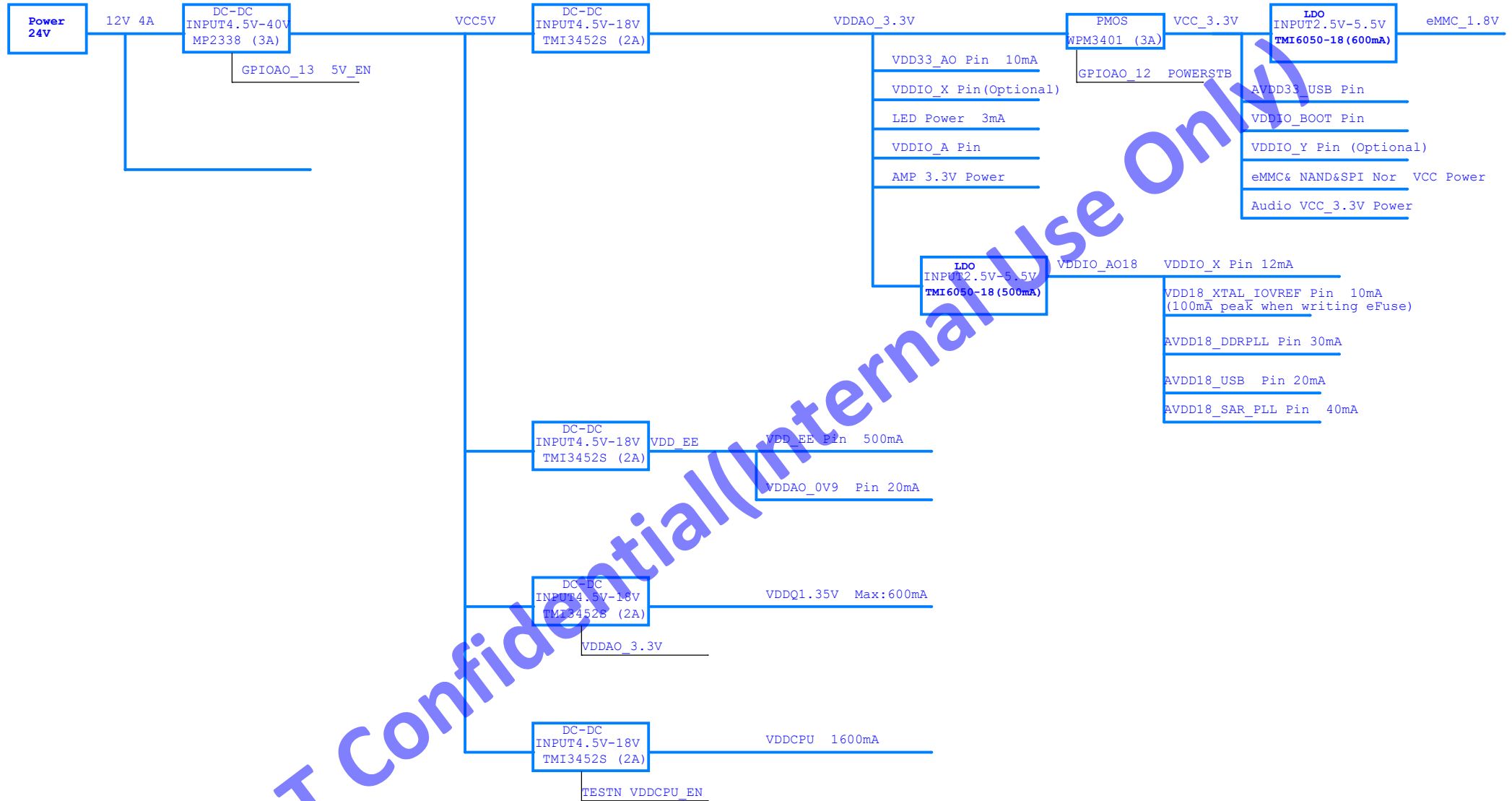
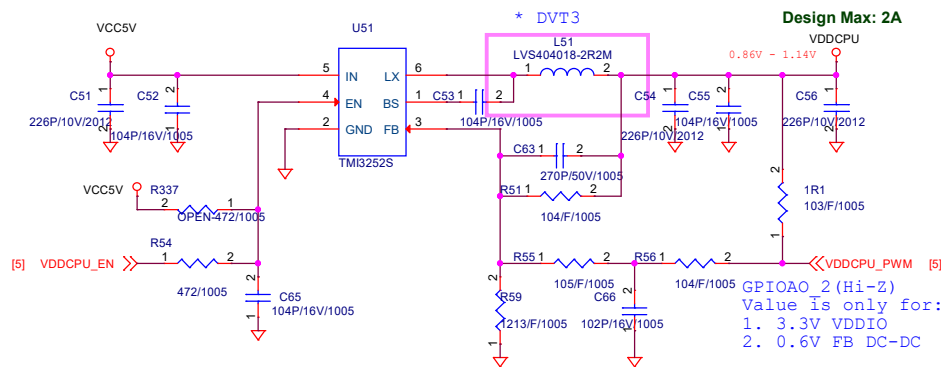


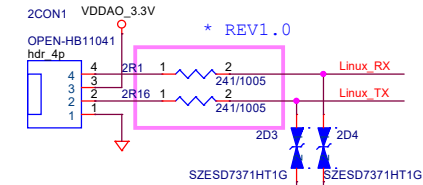


Standby power supply

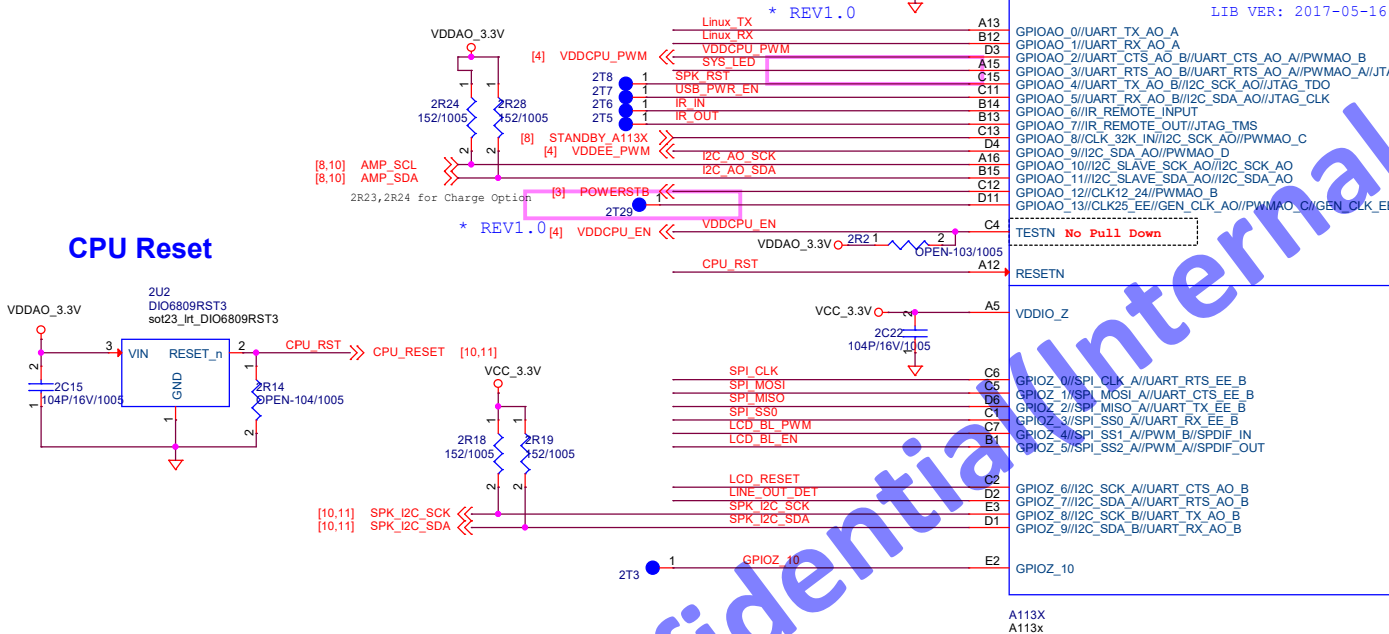




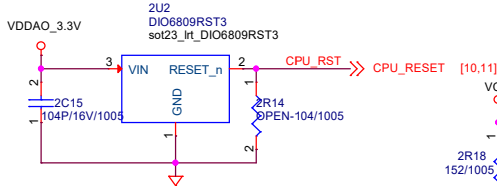
For Linux Debug



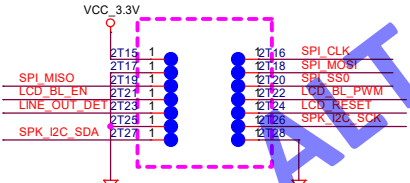
mark signal name on PCB



CPU Reset

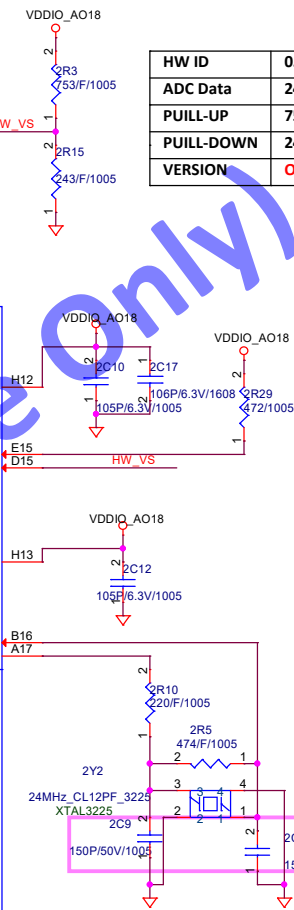


SPI & I2C IO Debug

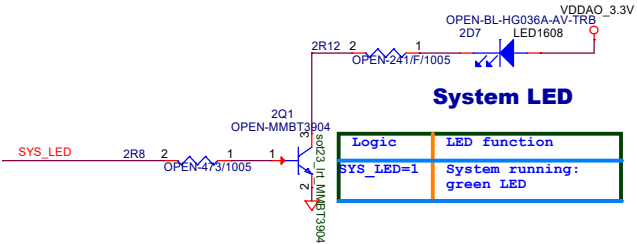


TP -TP: 2.0mm
Bottom Layer

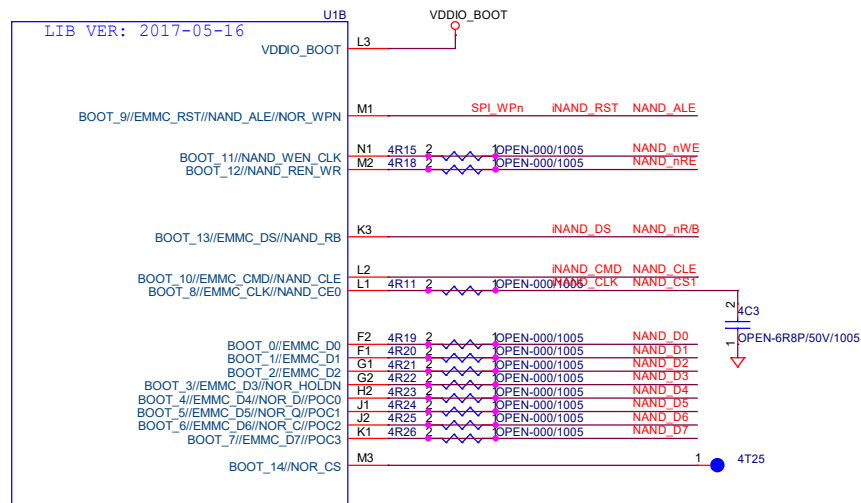
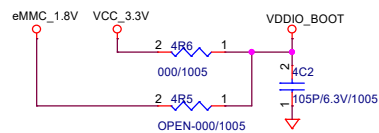
HW ID	0.1	0.2	0.3	1.0	1.1
ADC Data	248	334	420	512	603
PULL-UP	75K	58K	56K	47K	39K
PULL-DOWN	24K	33K	39K	47K	56K
VERSION	O				



System LED

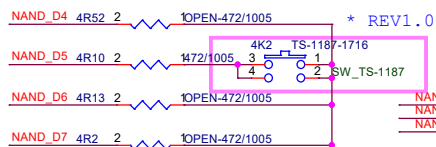


Logic	LED function
SYS_LED=1	System running: green LED

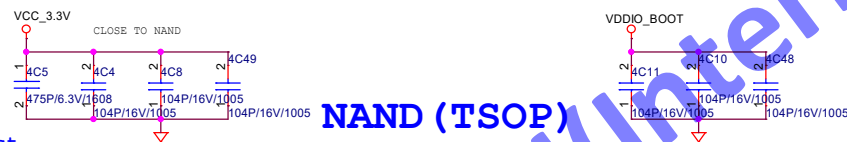


Power ON Config

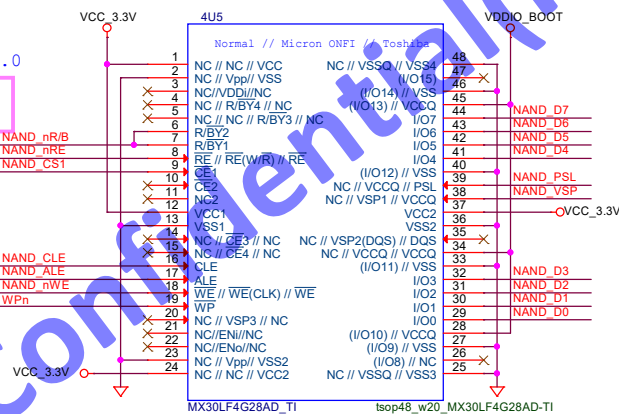
BOOT_5[NAND_D5]: 0= USB Boot First
BOOT_6[NAND_D6]: 0= SPI NOR Boot First



close to branch ponit



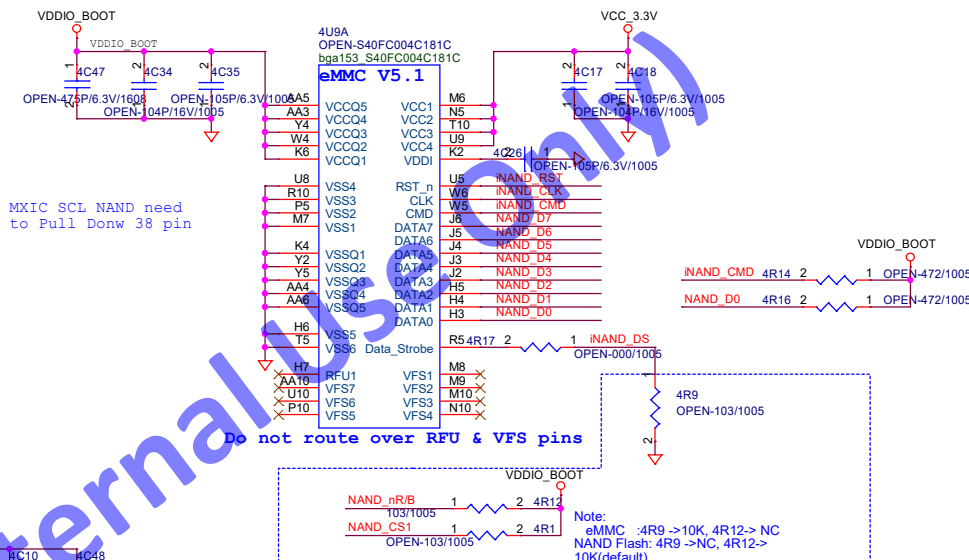
NAND (TSOP)



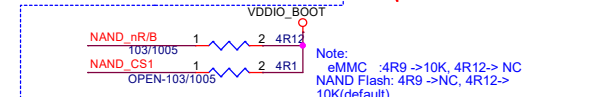
Only Support SLC NAND Flash
Not Support MLC NAND Flash

eMMC/iNAND

PCB Decal:169pin balls Type(BGA)



Do not route over RFU & VFS pins



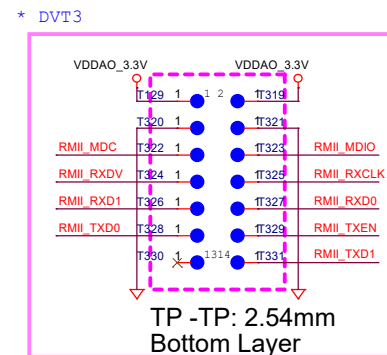
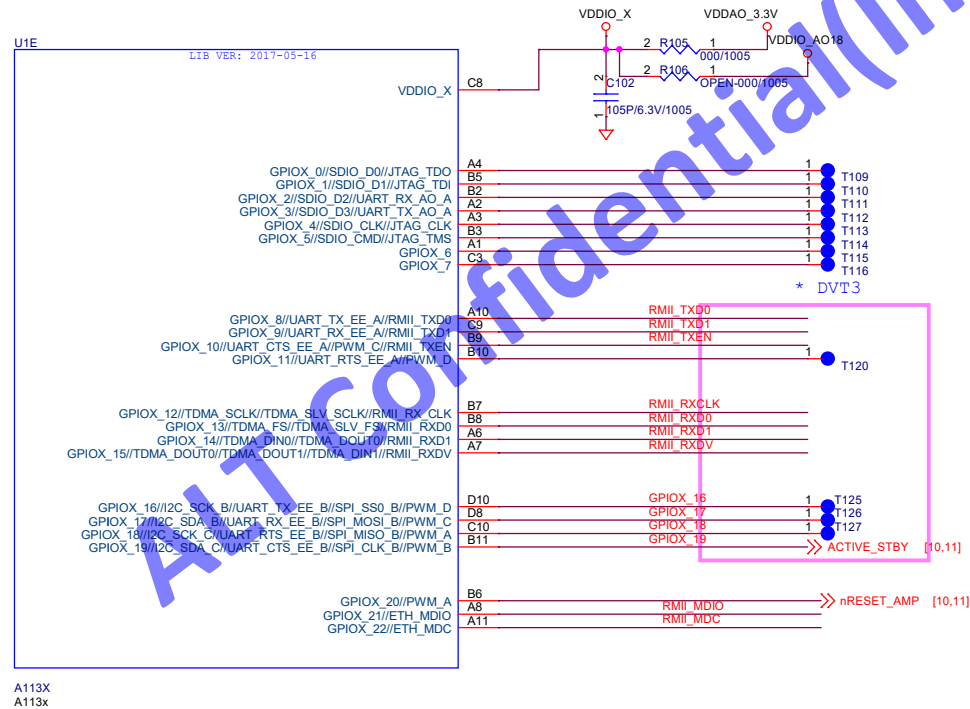
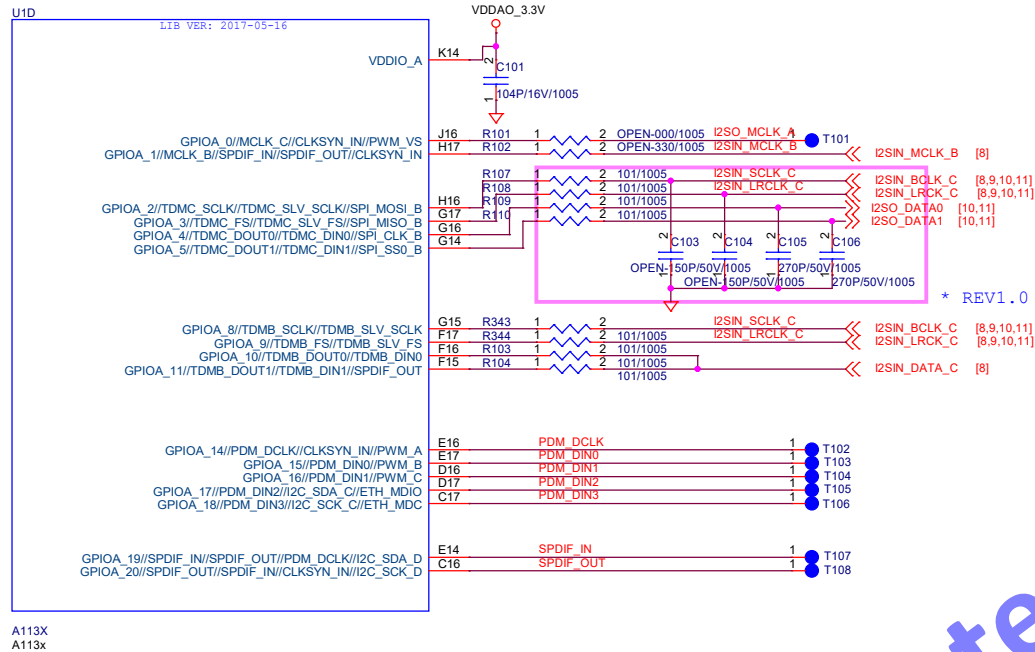
eMMC V5.1

eMMC NC PIN FOR ALLEGRO



Use 1.8V power SPI nor Flash if VDDIO_BOOT is 1.8V.

Title			07. A113X_FLASH
Size	Document Number	Rev 0.31	
A3	A12 MAX-AMP B/D		
Date:	Friday, August 06, 2021	Sheet	7 of 11



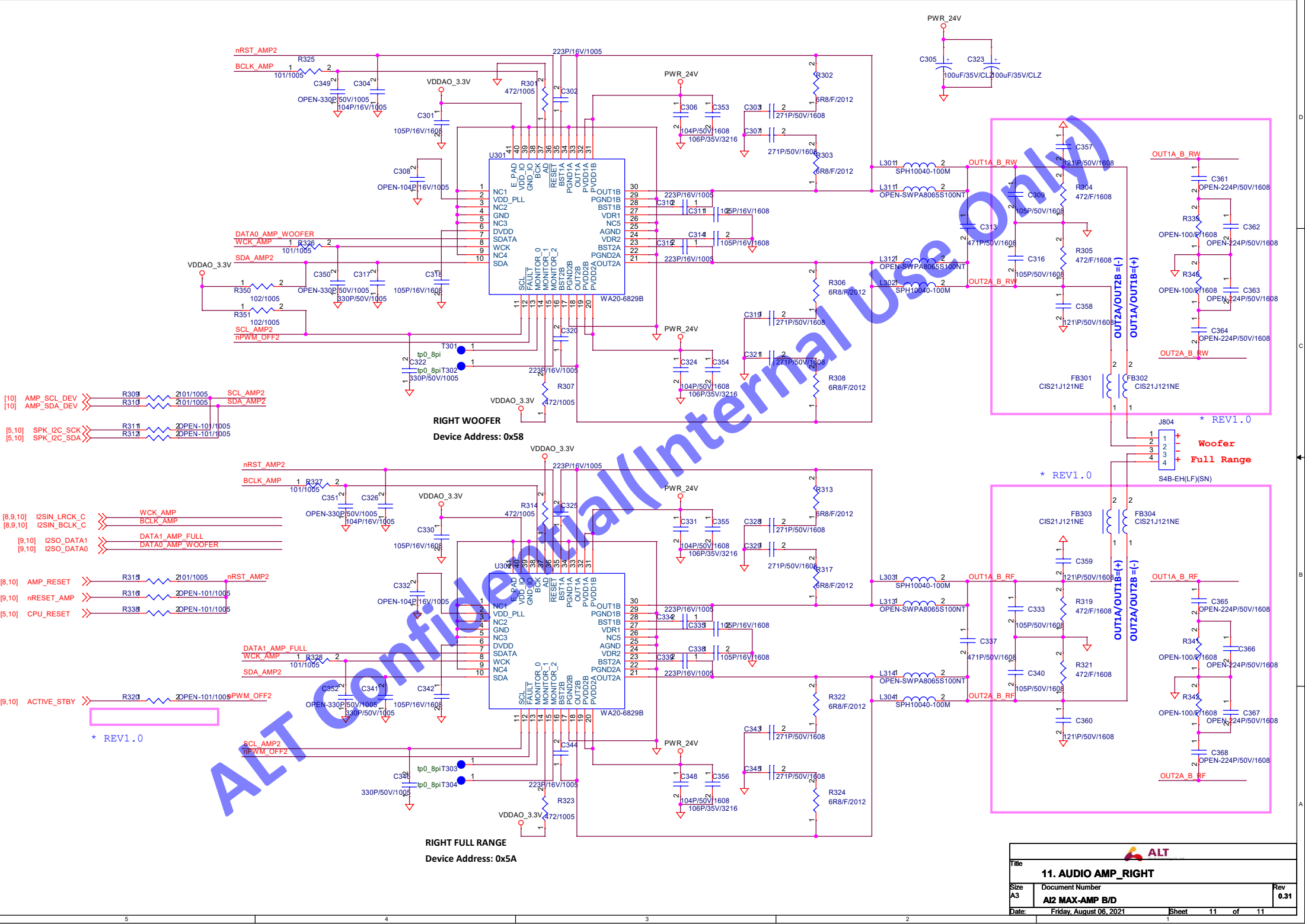
TP -TP: 2.5mm
Bottom Layer

LEFT WOOFER
Device Address: 0x54

LEFT FULL RANGE
Device Address: 0x56

10. AUDIO AMP_LEFT

Size A3	Document Number AI2 MAX-AMP B/D	Rev 0.31
Date: Friday, August 06, 2021	Sheet 10 of 11	



[10] AMP_SCL_DEV >>> R309 2101/1005 SCL AMP2
[10] AMP_SDA_DEV >>> R310 2101/1005 SDA AMP2
[5,10] SPK_I2C_SCK >>> R311 20PEN-101/1005
[5,10] SPK_I2C_SDA >>> R312 20PEN-101/1005

[8,9,10] I2SIN_LRCK_C >>> WCK AMP
[8,9,10] I2SIN_BCLK_C >>> BCLK AMP
[9,10] I2SO_DATA1 >>> DATA1 AMP FULL
[9,10] I2SO_DATA0 >>> DATA0 AMP WOOFER

[8,10] AMP_RESET >>> R313 2101/1005 nRST AMP2
[9,10] nRESET AMP >>> R314 20PEN-101/1005
[5,10] CPU_RESET >>> R338 20PEN-101/1005

[9,10] ACTIVE_STBY >>> R320 20PEN-101/1005 PWM_OFF2
* REV1.0

RIGHT WOOFER
Device Address: 0x58

RIGHT FULL RANGE
Device Address: 0x5A

Title			11. AUDIO AMP_RIGHT
Size	Document Number	Rev	
A3	A12 MAX-AMP B/D	0.31	
Date:	Friday, August 06, 2021	Sheet	11 of 11