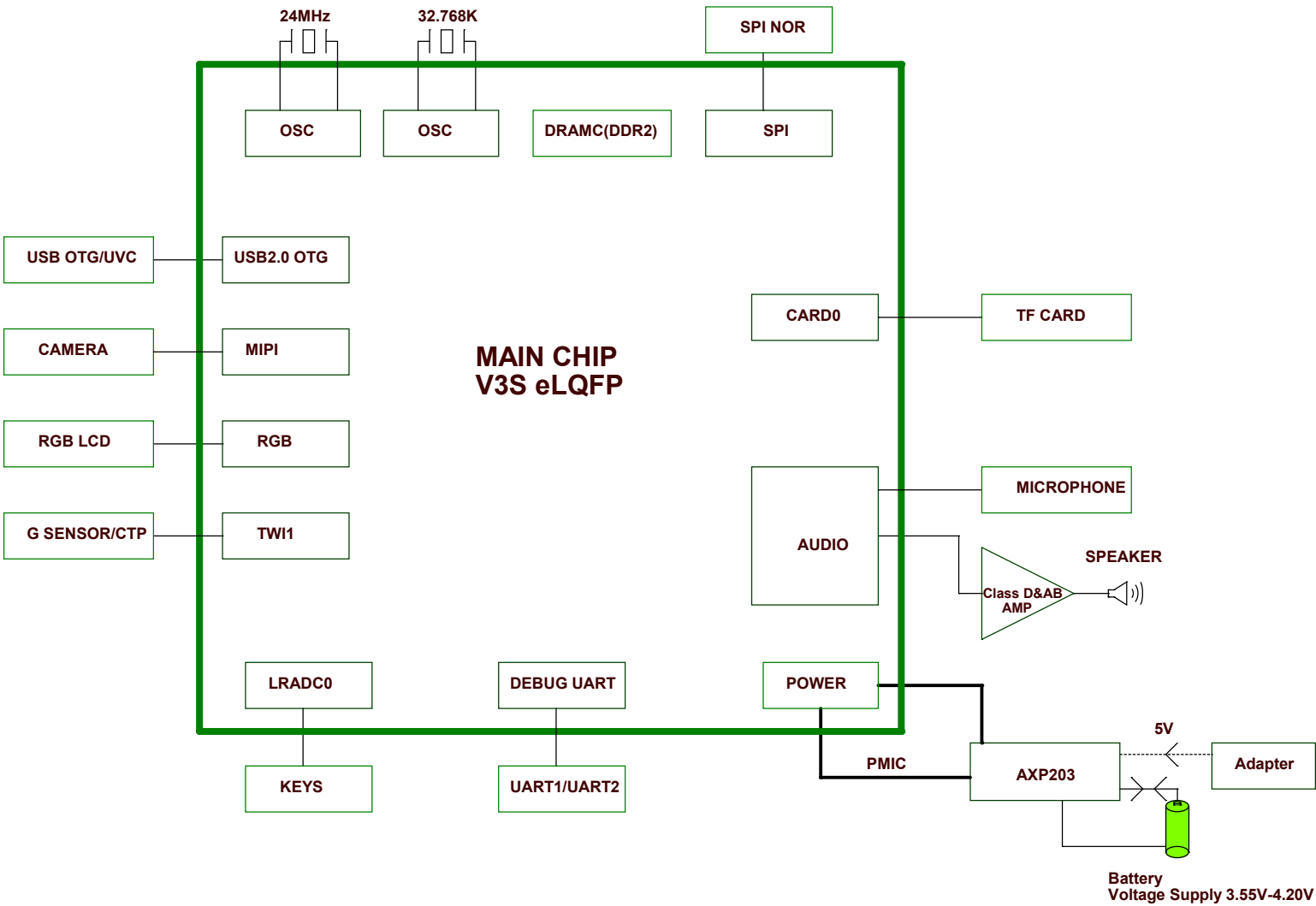
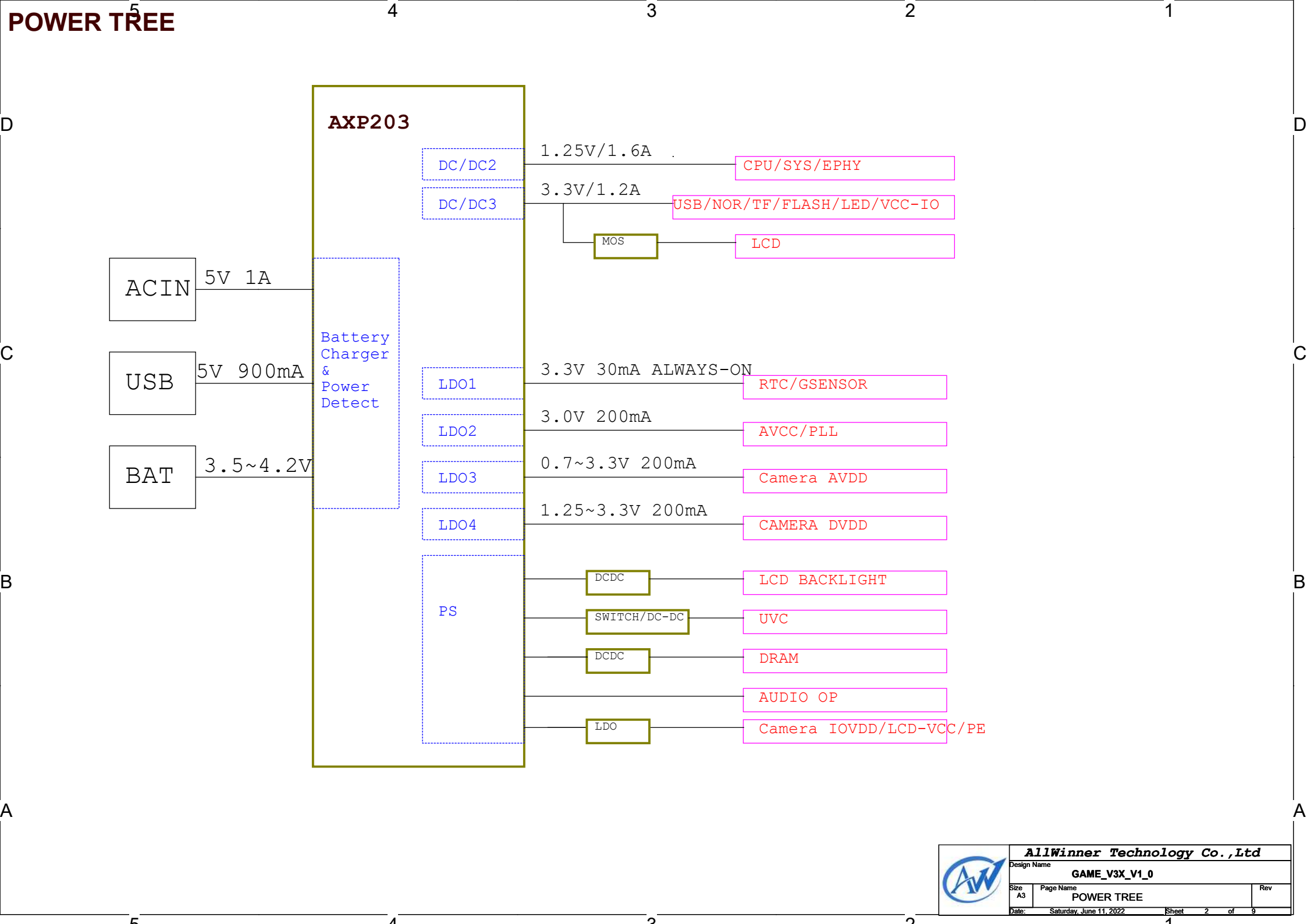


BLOCK DIAGRAM





PIN	Define	CFG	Function
PB0	CTP-WAKE	1	CTP
PB1	CTP-INT	0	
PB2	LCD-BL-EN1	1	LCD
PB3	LCD-PWR-EN1	1	
PB4	PWM0	2	AUDIO
PB5	PA-SHDN	1	
PB6	TWI0-SCK	2	PMU
PB7	TWI0-SDA	2	
PB8	TWI1_SCK	2	G-SENSOR
PB9	TWI1_SDA	2	

PIN	Define	CFG	Function
PC0	SPI0_MISO	3	NOR/ NAND
PC1	SPI0_CLK	3	
PC2	SPI0_CS	3	
PC3	SPI0_MOSI	3	

PIN	Define	CFG	Function
PE0	LCD_CLK	3	LCD
PE1	LCD_DE	3	
PE2	LCD_HSYNC	3	
PE3	LCD_VSYNC	3	
PE4	LCD_D2	3	
PE5	LCD_D3	3	
PE6	LCD_D4	3	
PE7	LCD_D5	3	
PE8	LCD_D6	3	
PE9	LCD_D7	3	
PE10	LCD_D8	3	
PE11	LCD_D11	3	
PE12	LCD_D12	3	
PE13	LCD_D13	3	
PE14	LCD_D14	3	
PE15	LCD_D15	3	
PE16	LCD_D18	3	
PE17	LCD_D19	3	
PE18	LCD_D20	3	
PE19	LCD_D21	3	
PE20	CSI-MIPI-MCLK3	3	MIPI
PE21	CSI-SDA	2	
PE22	CSI-SCK	2	LCD
PE23	LCD_D22	3	
PE24	LCD_D23	3	

PIN	Define	CFG	Function
PF0	SDC0-D1	2	TF CARD
PF1	SDC0-D0	2	
PF2	SDC0-CLK	2	
PF3	SDC0-CMD	2	
PF4	SDC0-D3	2	
PF5	SDC0-D2	2	
PF6	SDC0-DET	0	

PIN	Define	CFG	Function
PG0	MIPI-CSI-RESET	1	GPIO
PG1	MIPI-CSI-PWDN	1	
PG2	GS-INT	0	
PG3	USB-DRVVBUS	1	
PG4	USB-ID	0	
PG5	PMU-IRQ	0	

CPU

PC

SPI-MISO [6,7] SPI-CLK [6] SPI-CS [6] SPI-MOSI [6]

PF

SDC0-D1 SDC0-D0 SDC0-CLK[OR101_33R 0603] SDC0-CMD SDC0-D3 SDC0-D2 SDC0-DET

PE

LCD-CLK LCD-DE LCD-HSYNC LCD-VSYNC LCD-D2 LCD-D3 LCD-D4 LCD-D5 LCD-D6 LCD-D7 LCD-D10 LCD-D11 LCD-D12 LCD-D13 LCD-D14 LCD-D15 LCD-D18 LCD-D19 LCD-D20 LCD-D21 LCD-D22 LCD-D23 LCD-RST LCD-PWR-EN1

EPHY

EPHY-TXP EPHY-TXN EPHY-RXN EPHY-RXP EPHY-SPD_LED EPHY-LINKLED

PB

USB-ID PMU-IHQ PWM0 TWIO-SCK TWIO-SDA USB-DRVVBUS

PG

SDC1-CLK SDC1-CMD SDC1-D0 SDC1-D1 SDC1-D2 SDC1-D3

AUDIO

HPOUTR HPOUTL HPCOM

SYS

KEYADC0 RESET

USB

USB-DP USB-DM

KEY

KEY_10 KEY_9 KEY_8 KEY_7 KEY_6 KEY_5 KEY_4 KEY_3 KEY_2 KEY_1

V3X

CODEC

RTIC

EPHY

SYS

EMMC

DRAM

注：VCC-DRAM/VCC-SYS/VCC-CPU的电容均匀放置于主控的各引脚。

VCC-DRAM

R103 2K-1% 0603 SVREF C104 104 NC/104 D402 R104 2K-1% 0603 C103 104 D402

VCC-CPU

C129 10uF D402 C130 10uF D402 C131 10uF D402 C132 10uF D402

VCC-IO

C133 10uF D402 C134 10uF D402 C135 10uF D402 C136 10uF D402

USB

C137 10uF D402

RTC PLL HP

C139 10uF D402 C140 10uF D402 C141 10uF D402

OSC

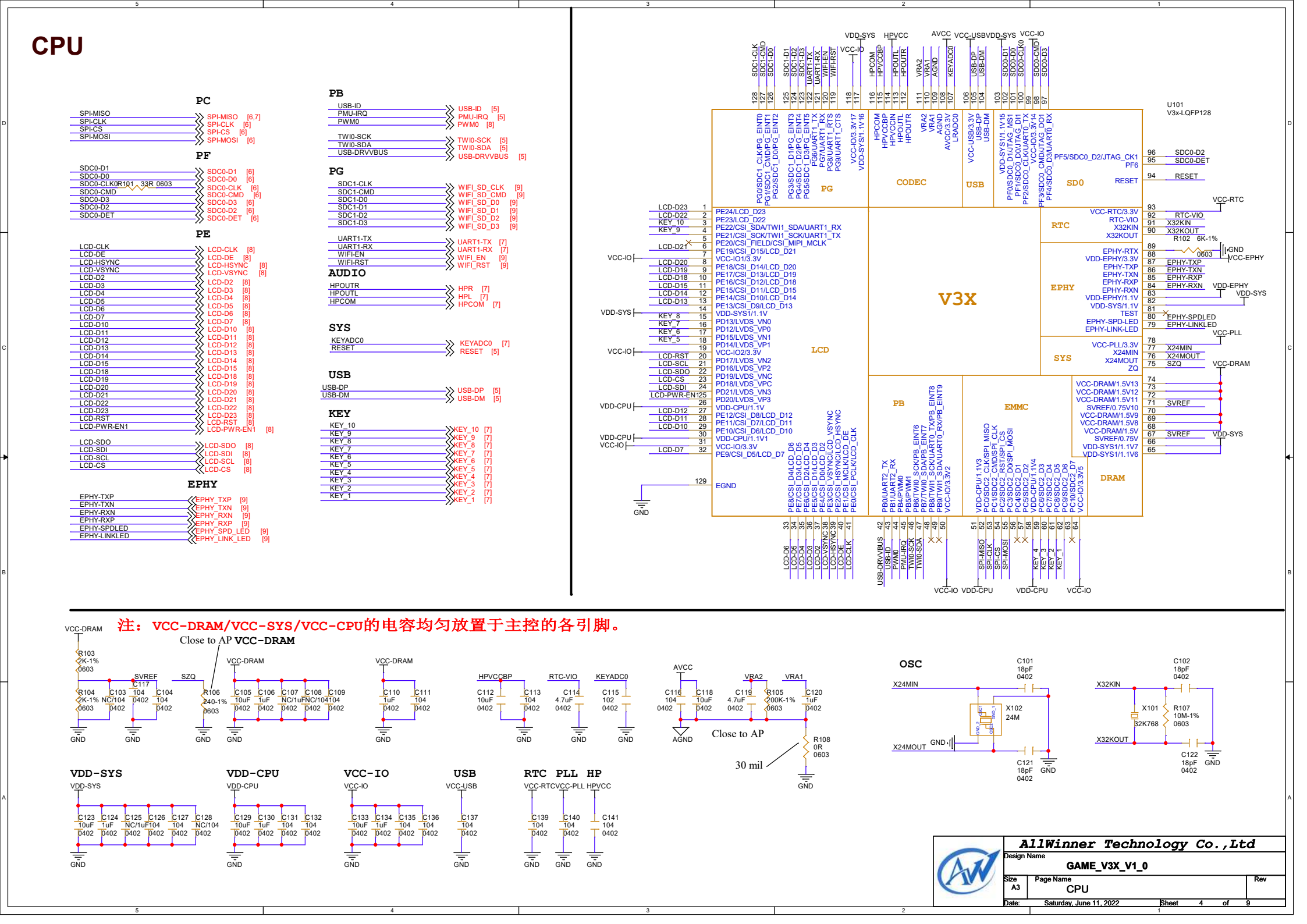
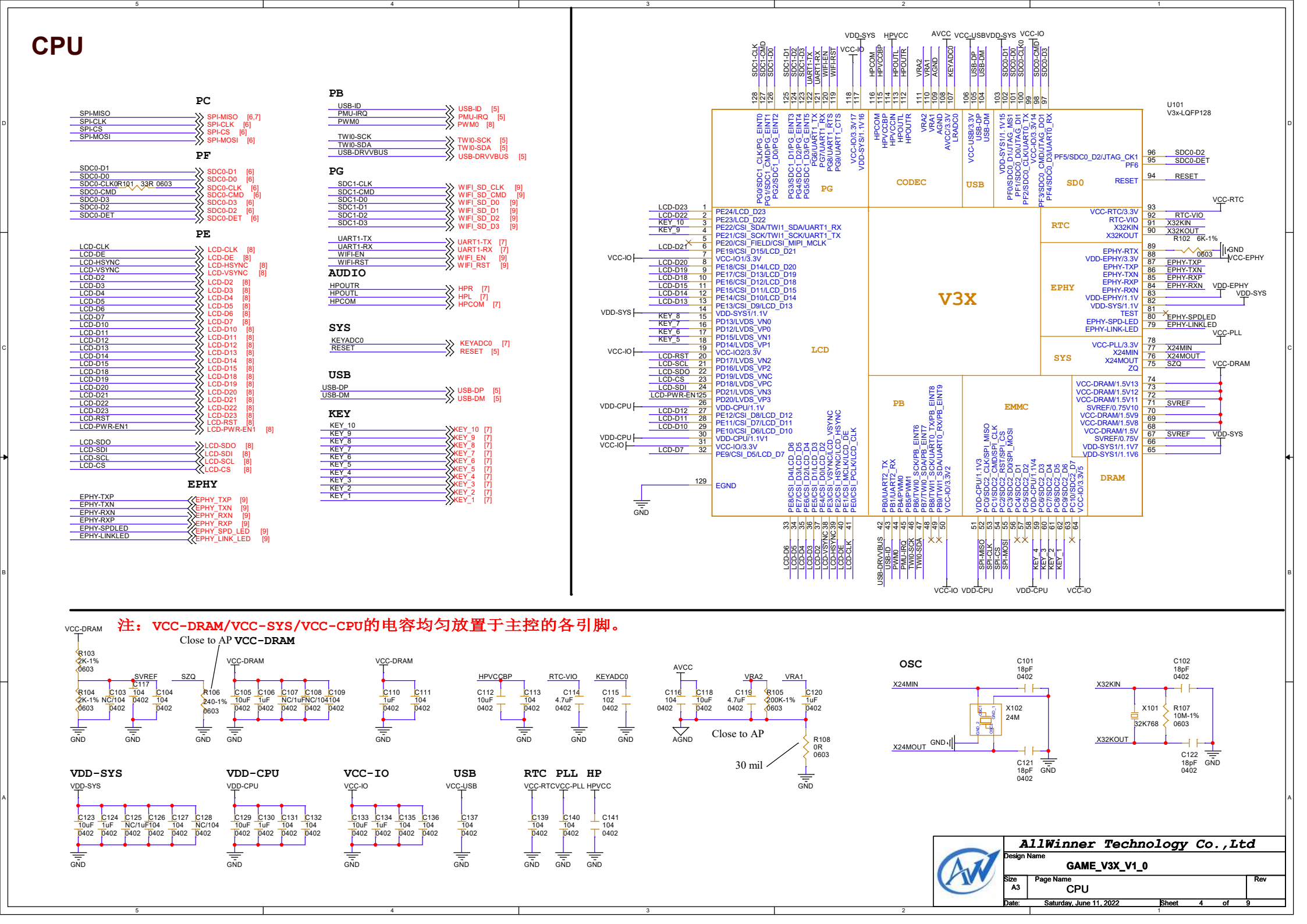
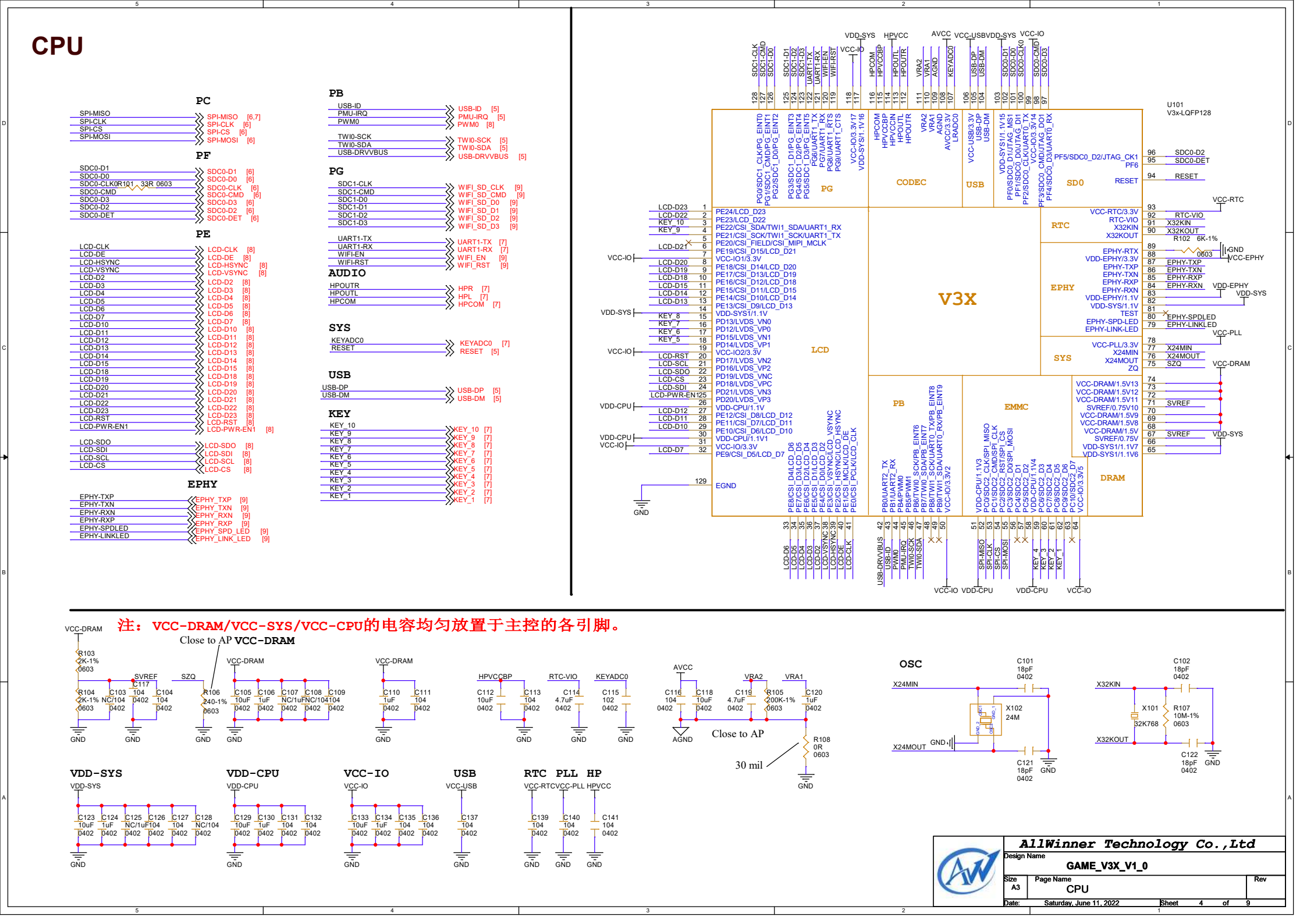
X24MIN X24MOUT GND

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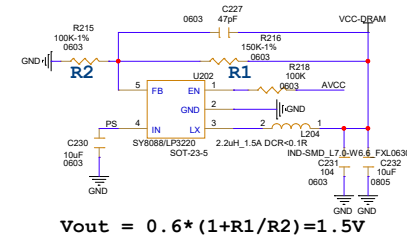
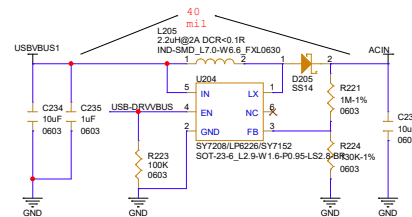
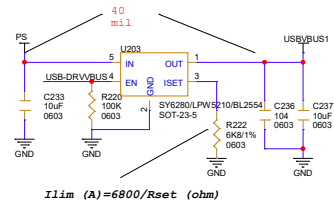
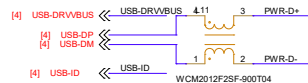
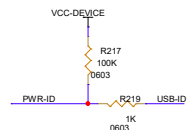
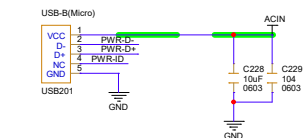
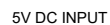
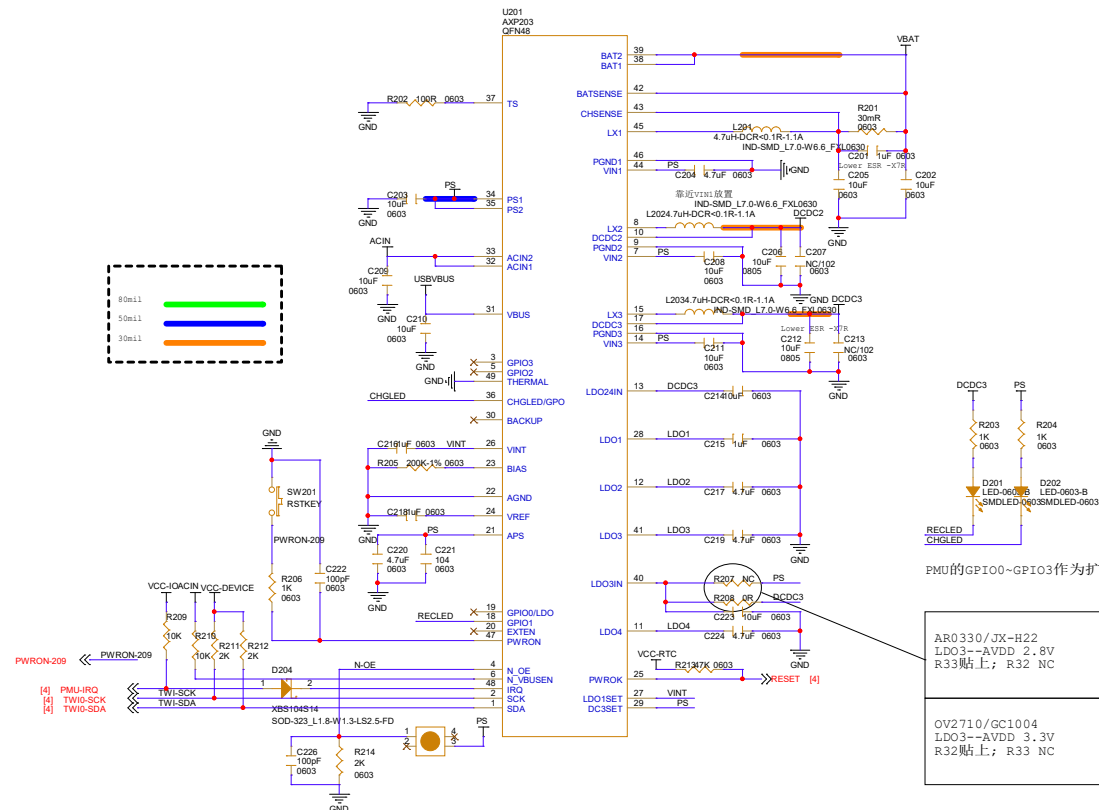
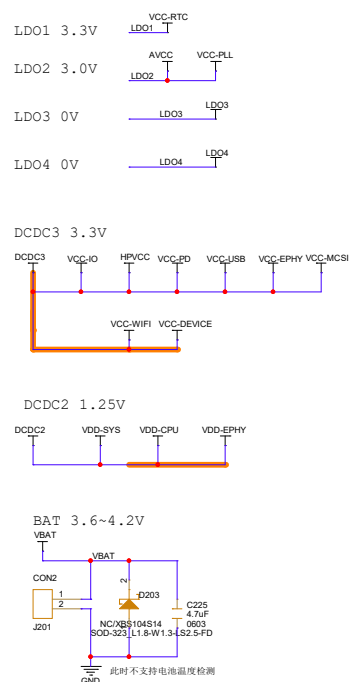
Design Name: GAME_V3X_V1_0

Size A3 Page Name CPU Rev

Date: Saturday, June 11, 2022 Sheet 4 of 9

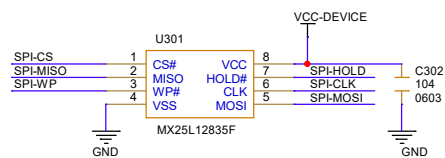
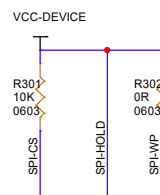
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POWER



Flash

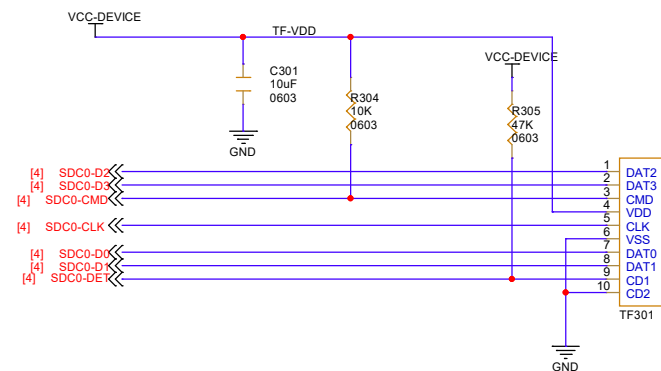
NOR



U7 Mount MX25L12835F

SD CARD

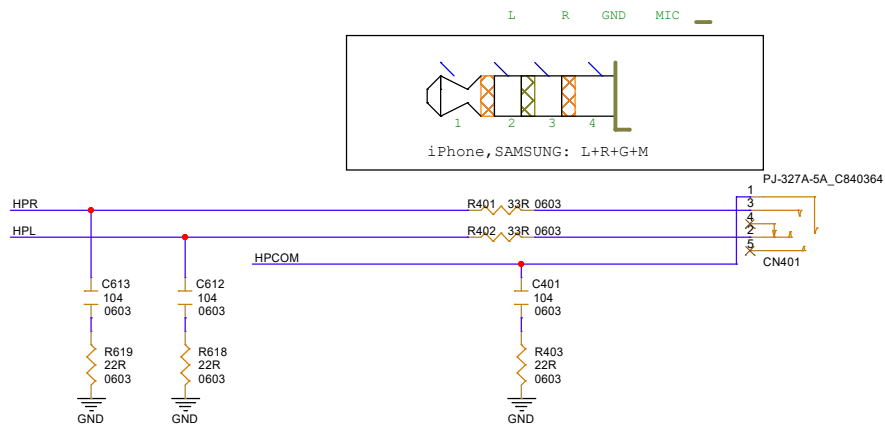
CARD0



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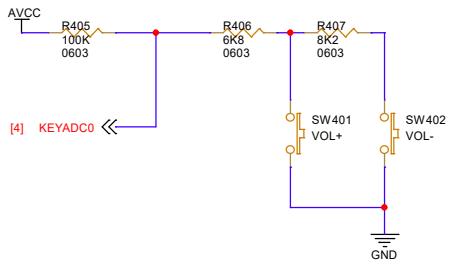
Design Name	GAME_V3X_V1_0		
Size	Page Name	Rev	
A3	MEMORY		
Date:	Saturday, June 11, 2022	Sheet	6 of 9

Head Phone

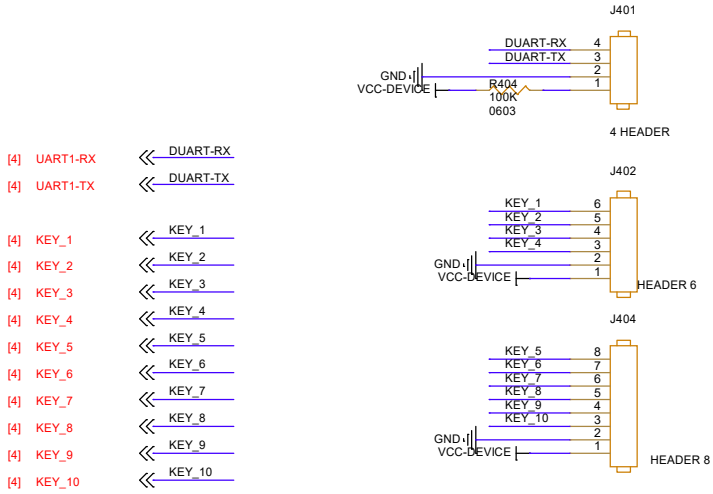
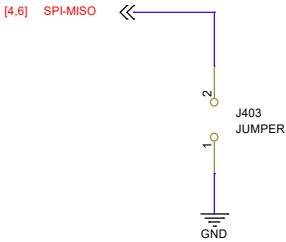


KEY

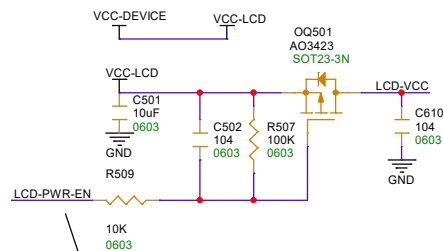
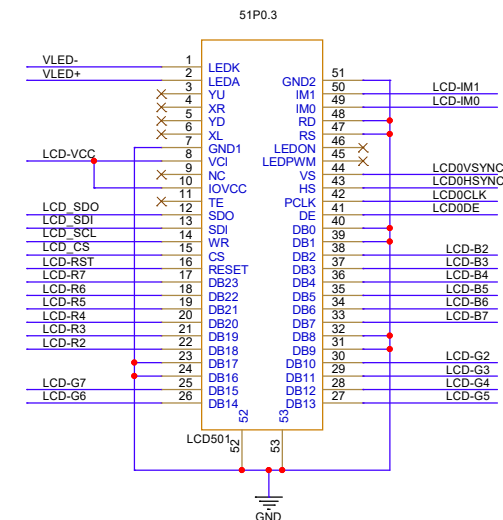
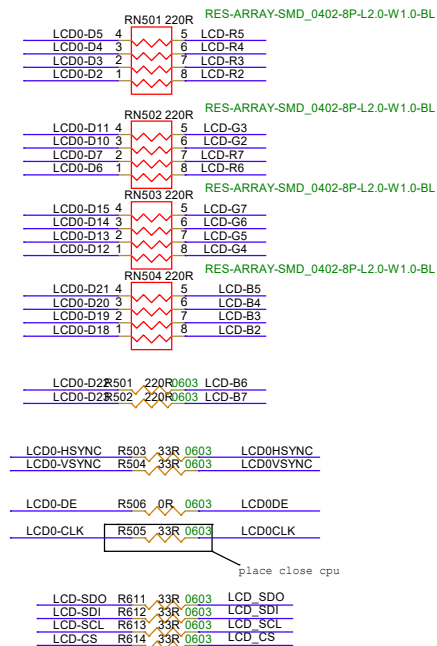
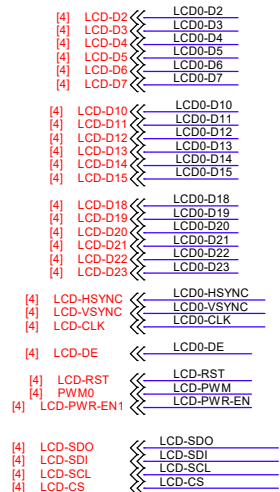
注：每隔0.2v一个按键



注：预留作为PCBA烧录时使用，
整机不能有该按键；
整机升级需使用组合键。



4.3" 480*272



负逻辑，LCD-PWR低电平时，LCD-VDD打开。

