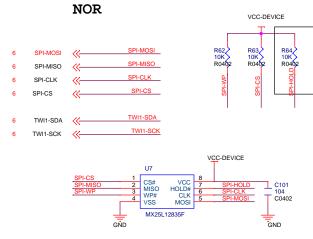
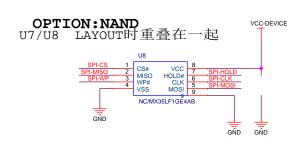
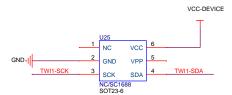


### **Flash**



U7 Mount MX25L12835F





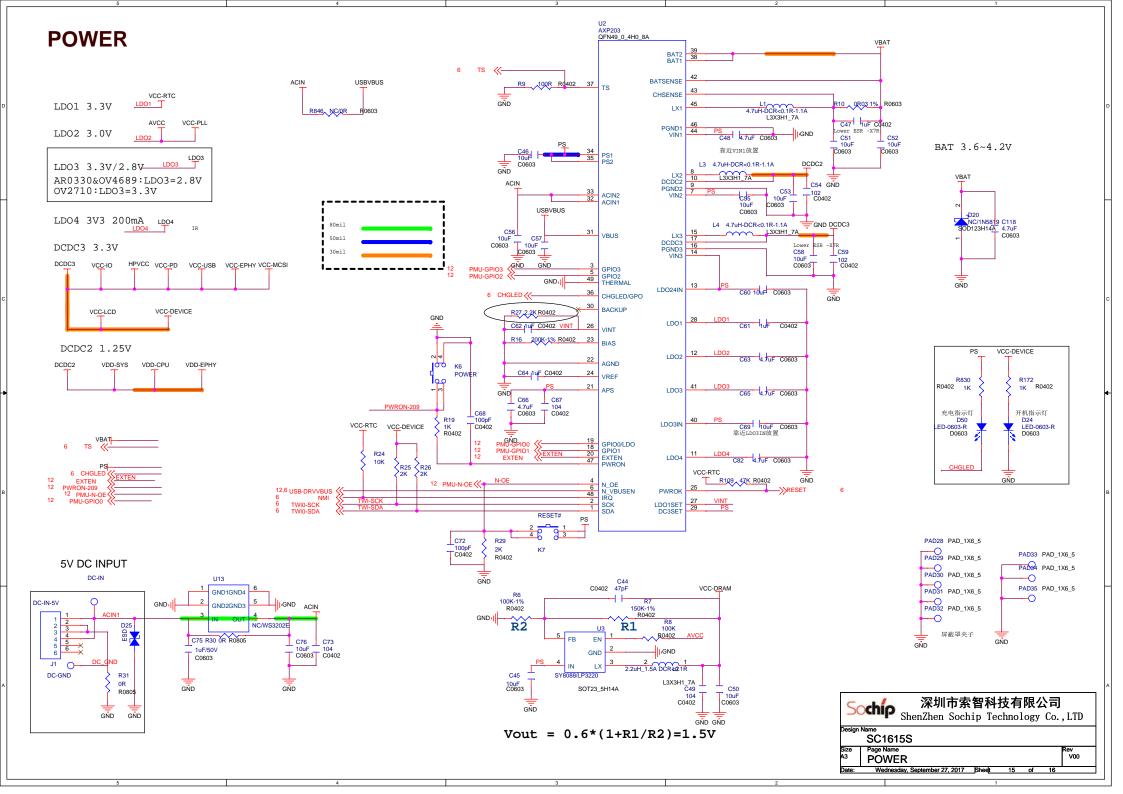
#### **SD CARD** → TP23 TX TP40\_SMD SDC0-D3 TP24 RX TP40\_SMD CARD0 VCC-DEVICE VCC-DEVICE R65 2R2 C119 R0402 10uF C0603 10K R0402 R67 47K GND DAT2 CMD VDD SDC0-CLK << CLK VSS2 DAT0 GND3 GND2 GND1 GND SDC0-DET(<-CD# MICROSD/TF\_SLOT TF\_CARDH1\_7A GND GND GND GND GND GND GND GND **eMMC** VCC-PC VCC-EMMC VCC-DEVICE VCC-DEVICE R659 NC/0R R0402 R658 NC/0R R0402 VCC-PC eMMC-CMD R400 NC/10KR0402 If use NAND, mount E. VCC-EMMC VCC-EMMC U107A H3 DAT0 DAT1 DAT2 DAT3 DAT4 DAT5 VCC1 VCC2 VCC3 VCC4 C400 C401 NC/1uF NC/104 C0402 C0402 UART2-CTS <<eMMC-D3 eMMC-D4 eMMC-D5 eMMC-D6 U9 J4 DAT5 DAT5 DAT6 VCCQ1 VCCQ2 VCCQ3 VCCQ4 GND eMMC-CMD W5 eMMC-CLK W6 eMMC\_DS R5 eMMC-RST U5 CMD CLK VCCQ5 VCC-PC VSS1 VSS2 VSS3 VSS6 RFU/DATA STROBE C402 C403 NC/1uF NC/104 C0402 C0402 RESET R402 NC/10k R0402 SPI-CS eMMC-RST VDDI C404 C405 1uF 104 C0402 C0402 SPI-MOS VSSQ1 VSSQ2 VSSQ3 VSSQ4 NC/0R R0402 R668 — GND PC4 PC5 13 RFU/VSS5 6,13 13 PC PC6 PC7 PC8 PC9 R404 NC/0R R0402 12 12 12 GND NC/EMMC5\_0\_BGA169 BGA169-PT0\_5-12X16H1A D If use eMMC 5.0, mount D. else, NC D. 贴EMMC时再贴框内元件 Or if use Flash NC D. 深圳市索智科技有限公司

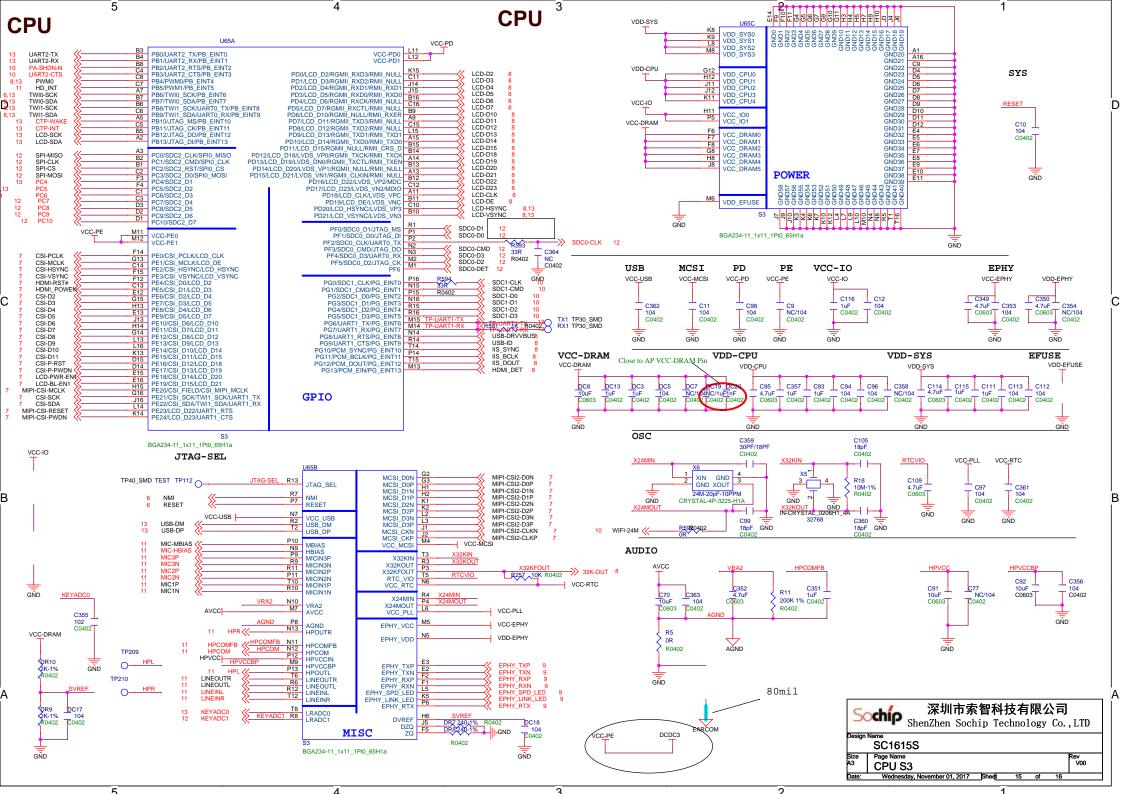
ShenZhen Sochip Technology Co., LTD

V00

SC1615S Page Name

NOR NANDFlash/TF Card





# GPIO ASSIGNMENT 注: PC[7: 10]不能作为GPIO口使用。

PIN	Define	CFG	Function	
PB0	UART2-TX			
PB1	UART2-RX			
PB2	WIFI-EN		WIFI	
PB3	WIFI-RST		MILI	
PB4	PWM0		LCD	
PB5	PA-SHDN		AUDIO	
РВ6	TWI0-SCK		PMU	
РВ7	TWI0-SDA		PMO	
PB8	TWI1_SCK		G-SENSOR /CTP	
PB9	TWI1_SDA		/CIP	
PB10	CTP-WAKE		CTP	
PB11	CTP-INT			
PB12	LCD-PWR-EN1		LCD	
PB13	LCD-BL-EN1		ТСД	

PIN	Define	CFG	Function	
PC0	SPI0_MISO			
PC1	SPI0_CLK		NOR/	
PC2	SPI0_CS		NAND	
PC3	SPI0_MOSI		1111111	
PC4				
PC5				
PC6				
PC7			NC	
PC8				
PC9				
PC10				

PIN	Define	CEC	Function
		CFG	FullCtion
	LCD_D2		
	LCD_D3		
PD2	LCD_D4		
PD3	LCD_D5		
PD4	LCD_D6		
PD5	LCD_D7		
PD6	LCD_D10		
PD7	LCD_D11		
PD8	LCD_D12		
PD9	LCD_D13		
PD10	LCD_D14		LCD
PD11	LCD_D15		пср
PD12	LCD_D18		
PD13	LCD_D19		
PD14	LCD_D20		
PD15	LCD_D21		
PD16	LCD_D22		
PD17	LCD_D23		
PD18	LCD_CLK		
PD19	LCD_DE		
PD20	LCD_HSYNC		
PD21	LCD_VSYNC		

PIN	Define	CF <b>G</b> u	nction	١
PE0	CSI PCLK			
PE1	CSI_MCLK			
PE2	CSI_HSYNC			
PE3	CSI_VSYNC			
PE4	CSI_D0			
PE5	CSI_D1			
PE6	CSI_D2			
PE7	CSI_D3		CSI	
PE8	CSI_D4			
PE9	CSI_D5			
PE10	CSI_D6			
PE11	CSI_D7			
PE12	CSI_D8			
PE13	CSI_D9			
PE14	CSI_D10			
PE15	CSI_D11			
PE16	CSI-P-RST			
PE17	CSI-P-PWDN			
PE18	MIPI-CSI-RESE	ľ		ı
PE19	MIPI-CSI-PWDN			
PE20	CSI-MIPI-MCLK		MIPI	
PE21	CSI-SCK			
PE22	CSI-SDA			
PE23	Flashlight		FLASHI	Ŋ(
PE24				

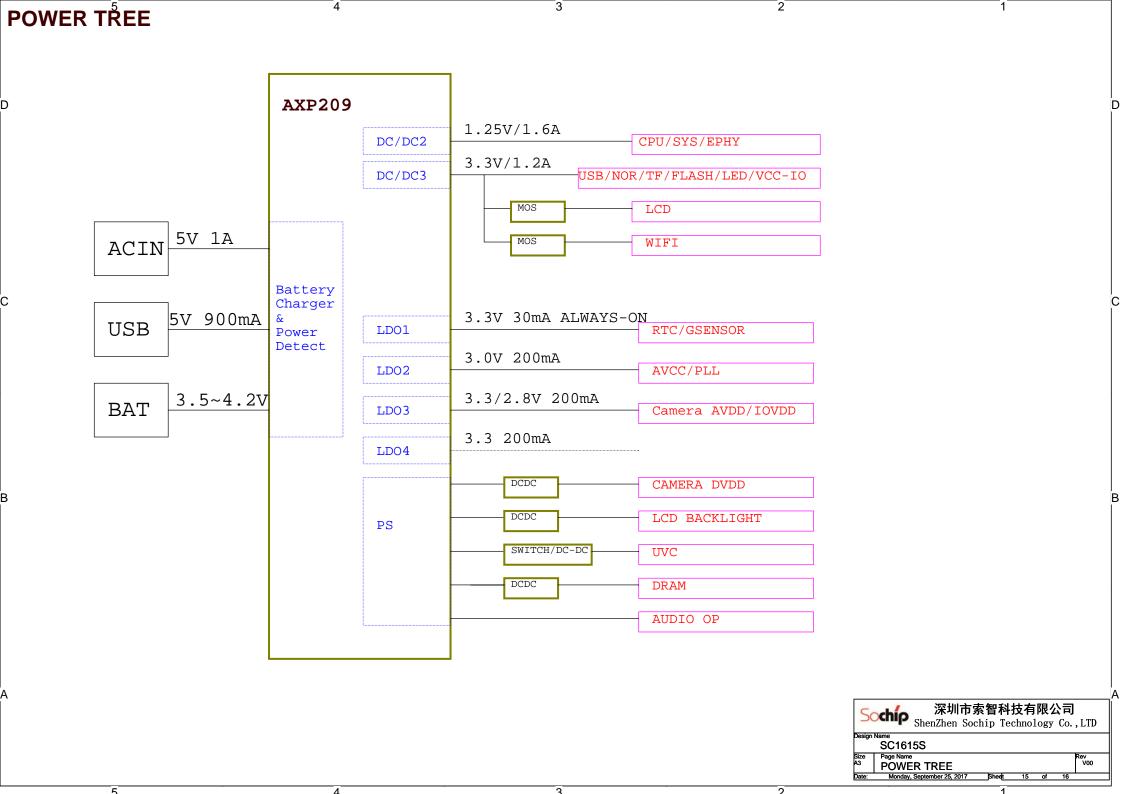
PF0	SDC0-D1	CFG	Function
PF1 PF2 PF3	SDC0-D0 SDC0-CLK SDC0-CMD		TF CARD
PF3 PF4 PF5	SDC0-CMD SDC0-D3 SDC0-D2		IF CARD
PF6 PF6	SDC0-D2		

PIN	Define	CFG	Function	
PG0	SDC1-CLK			
PG1	SDC1-CMD			
PG2	SDC1-D0			
PG3	SDC1-D1		WIFI	
PG4	SDC1-D2			
PG5	SDC1-D3			
PG6	UART1-TX		DEBUG	
PG7	UART1-RX		DEBOG	
PG8	GS-INT			
PG9	GPS-T		NC	
PG10	AUTO-BACK		USB	
PG11	USB-DRVVBI	JS	USB	
PG12	WIFI-LED			
PG13	REC-LED		LED	

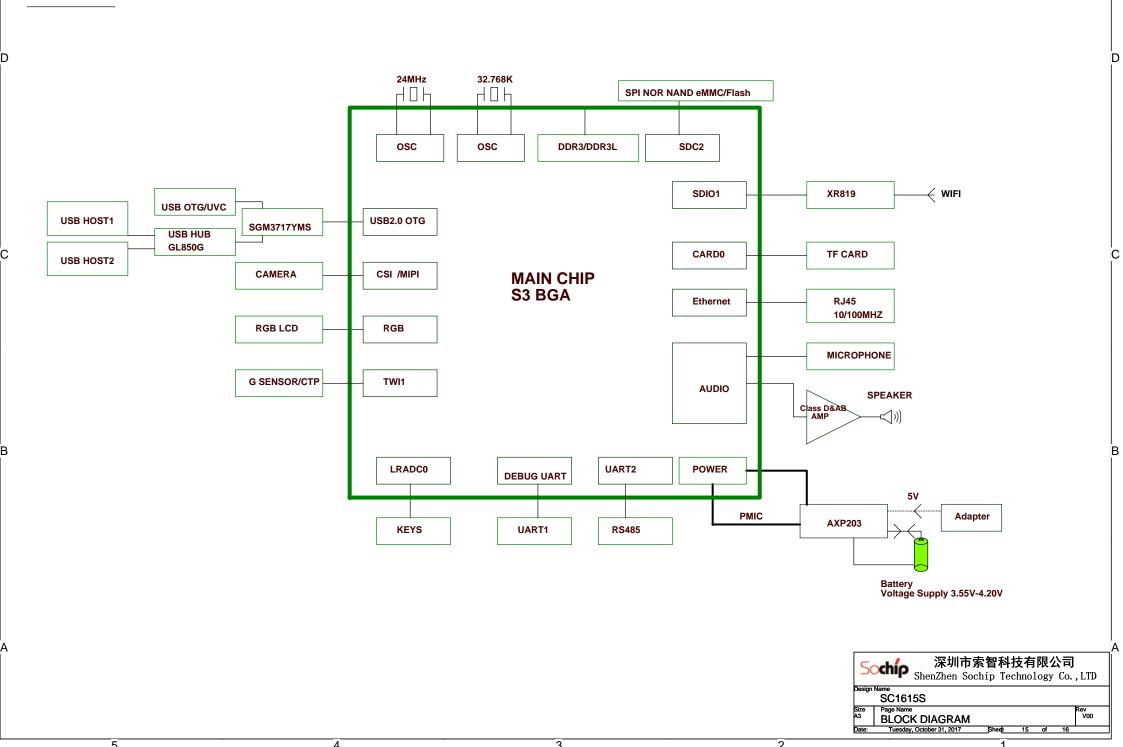
AVDD 3.3V IOVCC 3.3V DVDD 1.5V

R147=150K R148=75K	AR0330: AVDD 2.8V (2.7V-2.9V) IOVCC 2.8V(1.8V/2.8V) DVDD 1.8V(1.7V-1.9V)
R147=150K R148=100K	OV2710: AVDD 3.3V (3.0V-3.6V ) IOVCC 3.3V(1.7V-3.6V ) DVDD 1.5V (1.425V-1.575V
R147=150K R148=150K	OV4689: AVDD 2.8V (2.6V-3.0V ) IOVCC 2.8V (1.7V-3.0V ) DVDD 1.2V (1.1V-1.3V )

ShenZhen Sochip Technology Co., LTD Rev V00



## **BLOCK DIAGRAM**



**REVISION** HISTORY

Schematics Index:

Revision Description V00 REALSE VERSION

Date Checked Drawn 2017-09-23 Jeffery JASON CHEN

P01: REVISION HISTORY P02: BLOCK DIAGRRAM P03: POWER TREE P04: GPIO ASSIGNMENT

P05: CPU S3 P06: POWER

P07: NOR NANDFlash/TF Card P08: SPEAKER/MICROPHONE

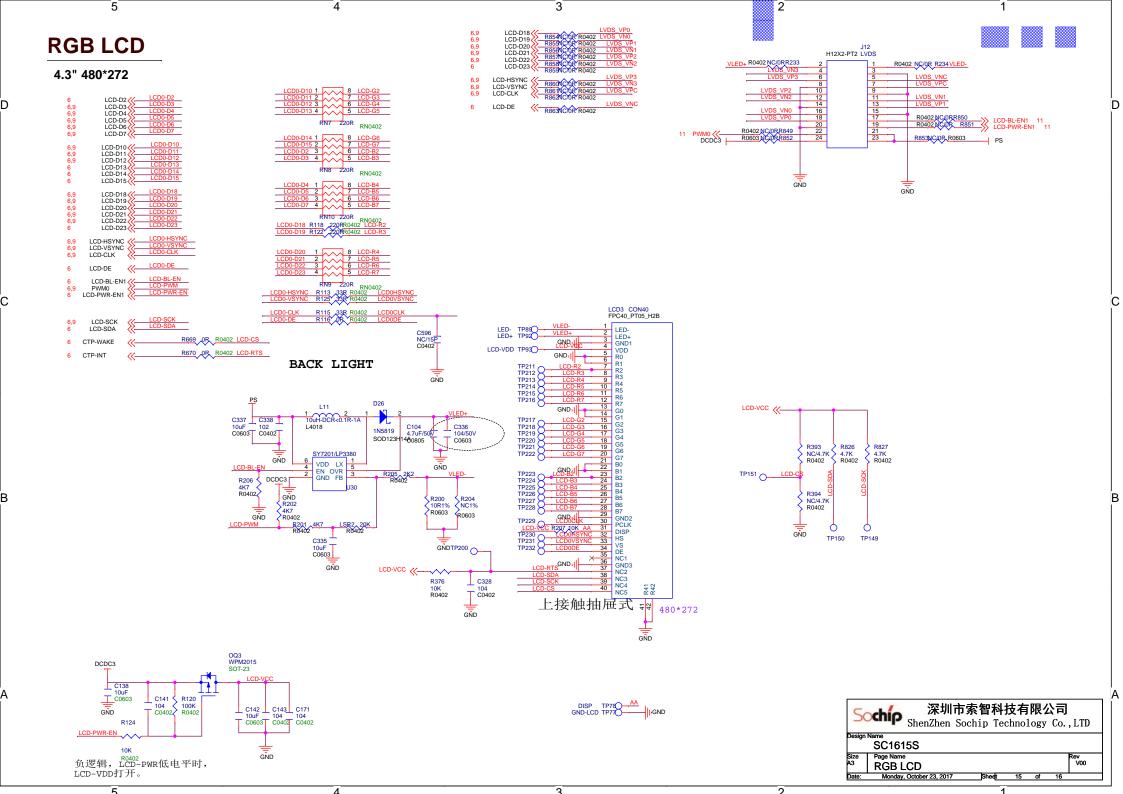
P09: USB/KEY P10: RGB LCD P11: CON

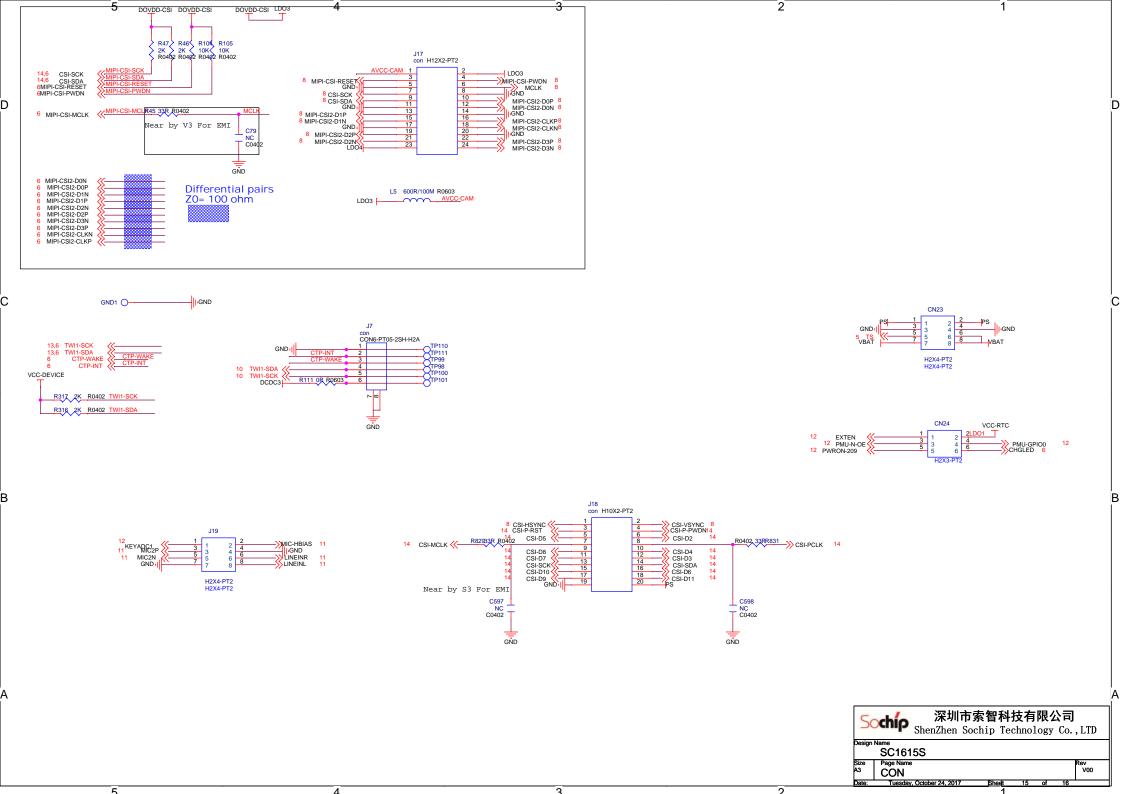
P12: RGB TO HDMI P13: WIFI-XR819 P14: UART&RS485

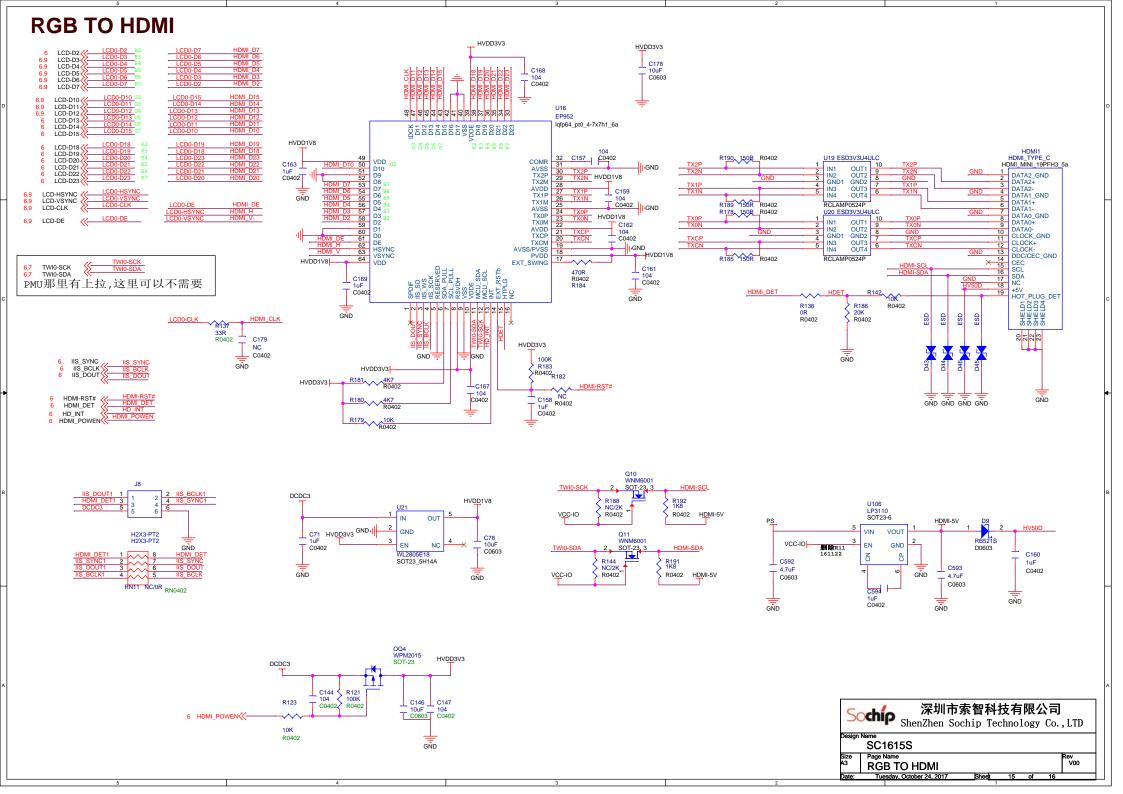
p15: RJ45 C P16: USB HUB

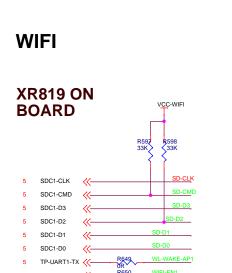
> ShenZhen Sochip Technology Co., LTD SC1615S Rev V00 **REVISION HISTORY**

Friday, September 29, 2017









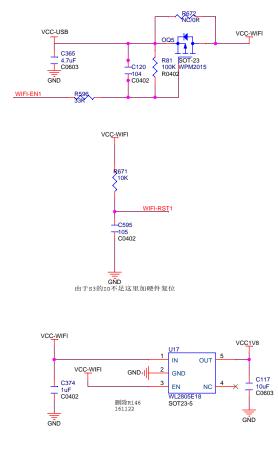
C0402

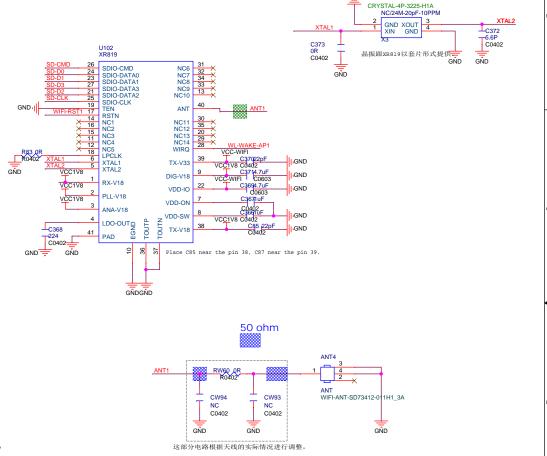
C135C95 靠近XR819

C95与C88 共用一个封装

WIFI-RST1

XTAL2

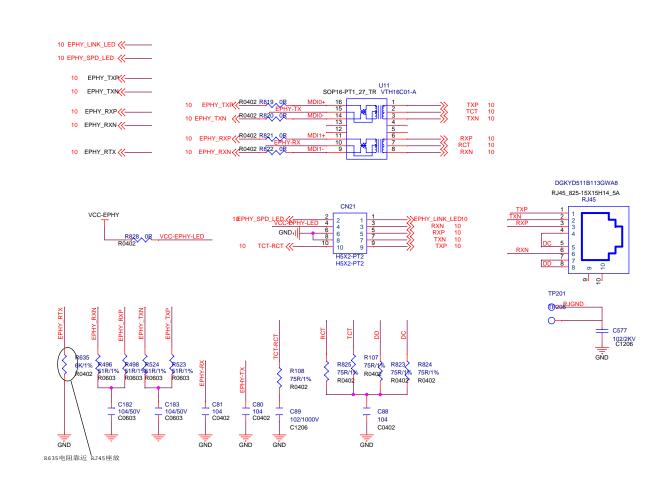




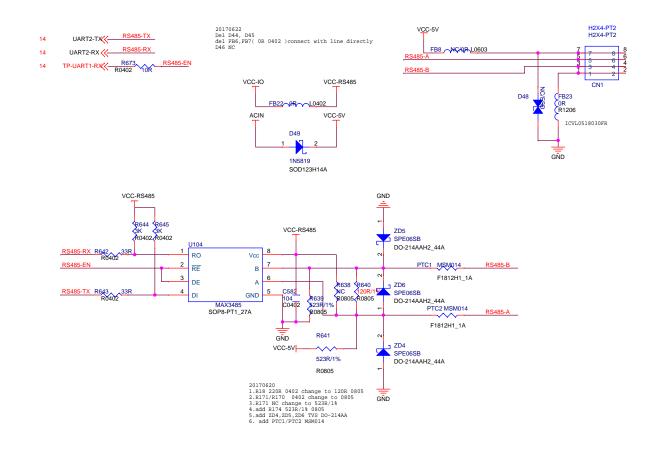
GND

若对功耗温度要求不高,可更换为300mA LDO供电。











## **USB HUB**

