1、PCB板中:可修改元器件坐标进行超级微小移动

2、Shift+B:覆铜刷新;Shift+X原理图与PCB来回切换

3、自动拼板:https://www.bilibili.com/video/av53277748/?p=3

4、手动拼版:https://www.bilibili.com/video/av53277748/?p=1

5、复用布局布线

#### able 1. TXS0108F Pullup Results Summary

RESISTOR VALUE (kΩ)	V <sub>OL</sub> (V)	V <sub>OH</sub> (V)
No external resistor	0.029	3.18
4.7	0.264	3.19
9.8	0.169	3.19
47	0.059	3.19
100	0.038	2.10

国产润石RS0108可替换TXS0108EPWR

https://baijiahao.baidu.com/s?id=1693178475197095496&wfr=spider&for=pc

Schematic		N	1ainBoard	V5 5		Update [	Date	2023-05-3	30			
Scriematic		IV	lallibualu	Create I	Date	2023-04-0	)4					
Page			工具 注意事		Part Nur	mber						
Drawed												
Reviewed				MainBoardV5.0								
			VER	SIZE		PAGE	1	OF	13			
<b>○</b> 嘉立创EDA												
3		·	1		5	·		·	6			



1、2路网口:级联功能

2、3路Type-A:升级和扫码枪和U盘

3、2路DB9:扫码枪和RS232

4、1路Type-B:接大屏

5、1路无线:接串口

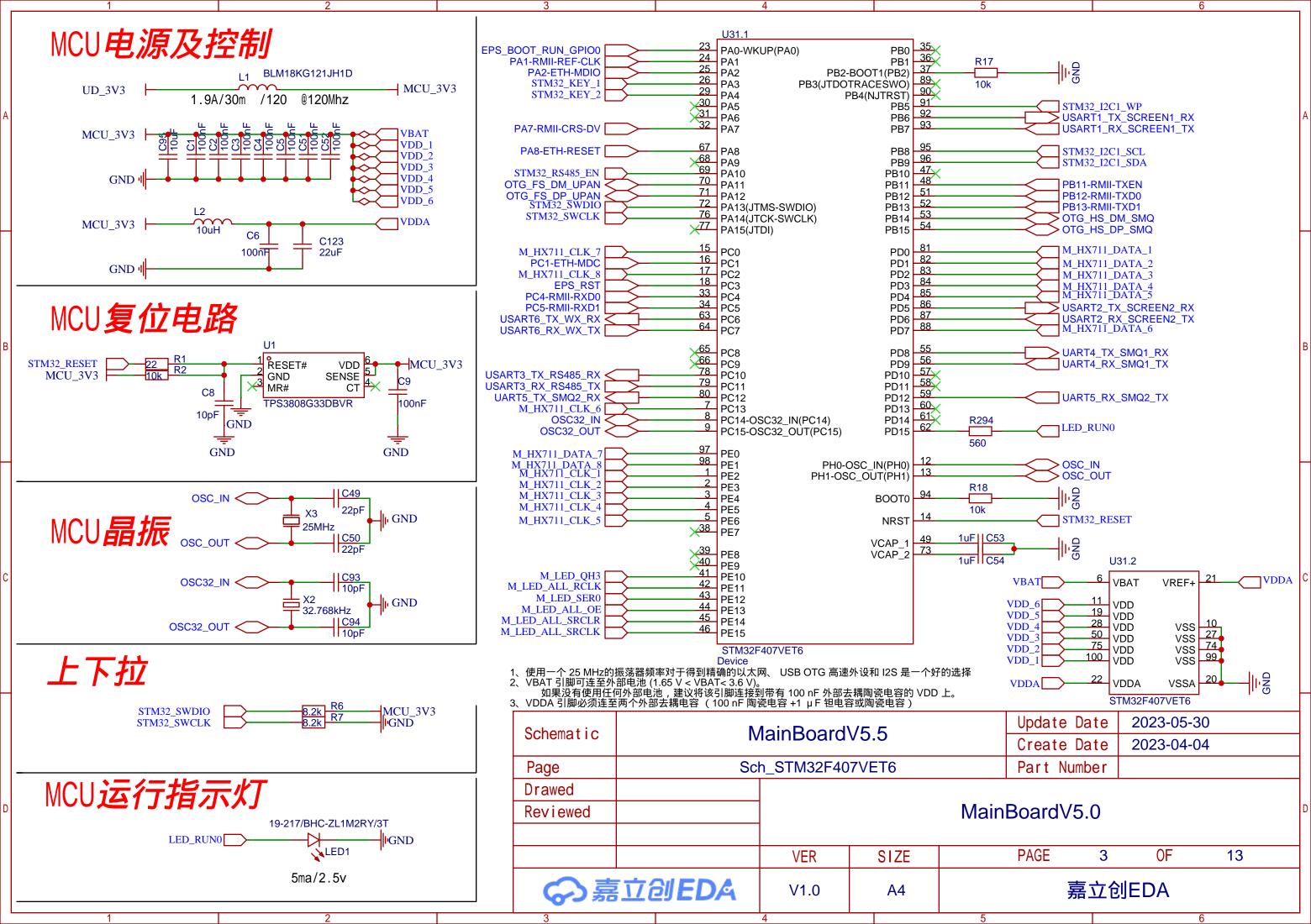
6、8路HX711:称重

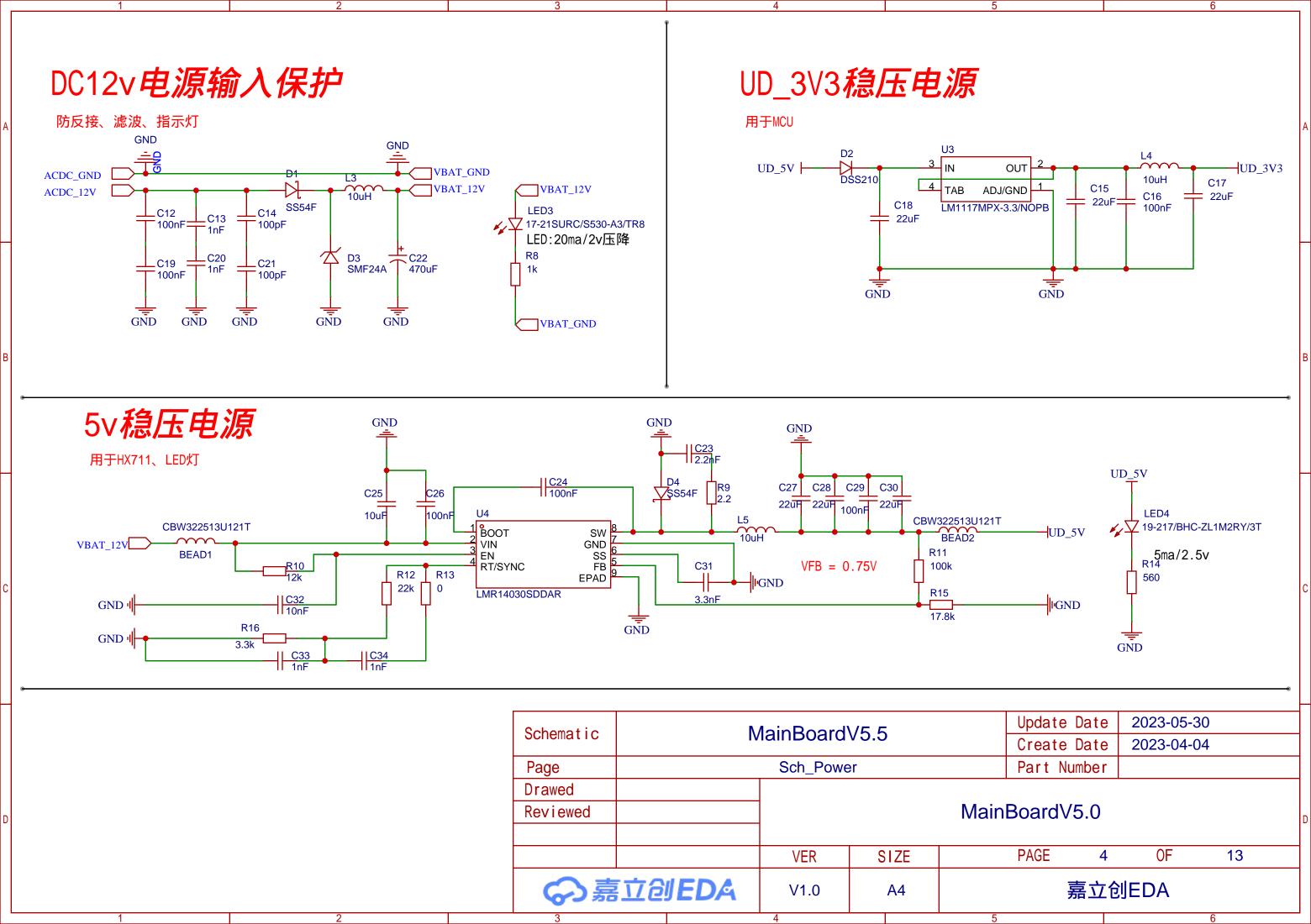
7、1路 8pin:接小屏

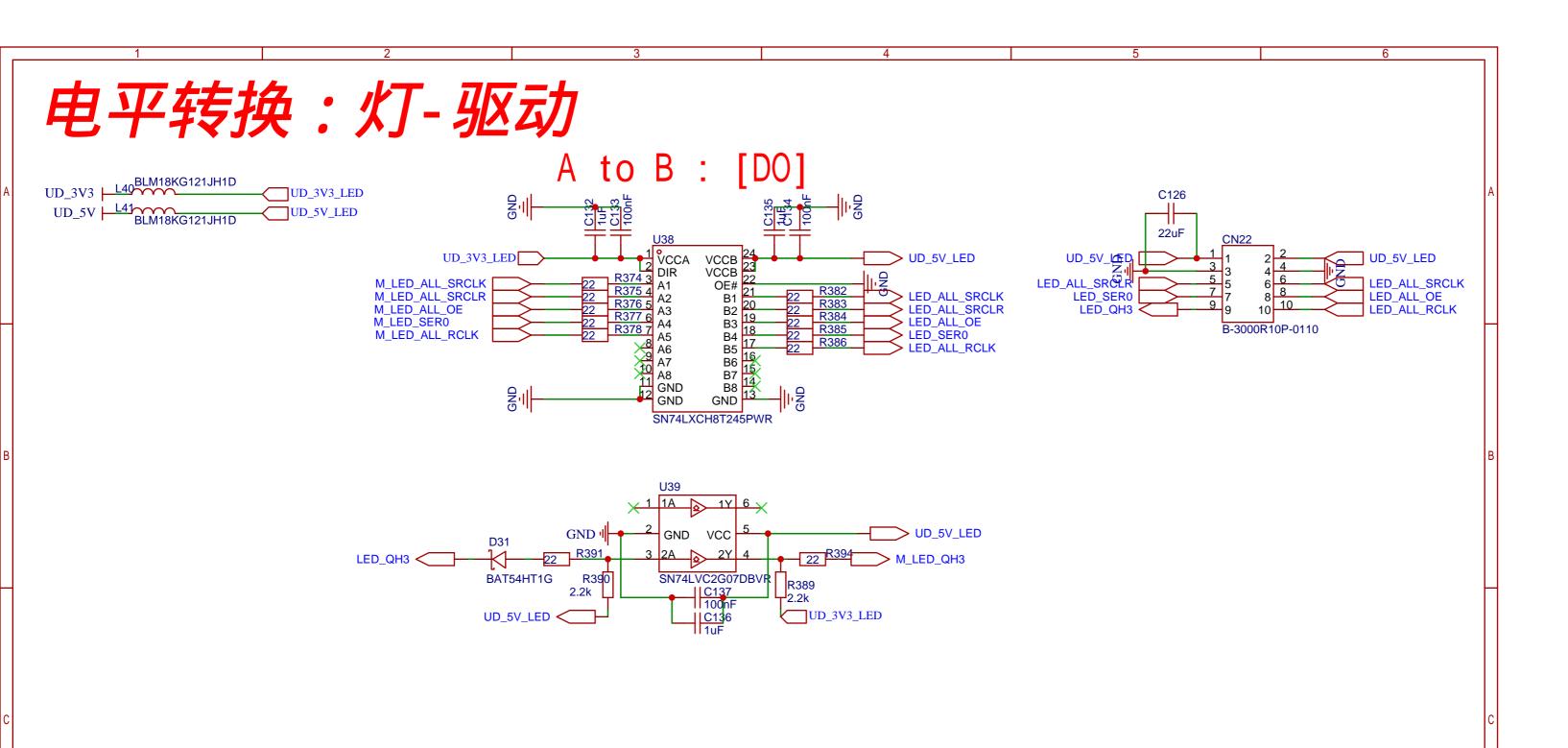
8、1路 4pin:接按键

9、1路 2pin:接电源

Schematic	Λ.	lainBoardV5.5			Update Dat	te	2023-04-04			
Scriematic	IV	dalliboard	v 3.3		Create Dat	te	2023-04-04			
Page		产品功能要	求		Part Numbe	er				
Drawed			Main Dannel VE O							
Reviewed			MainBoardV5.0							
		VER	SIZE		PAGE	2	OF	13		
<b>令</b> 嘉	<b>○嘉立创EDA</b>									







最大输出电流: ±35ma

SER: 串行数据输入

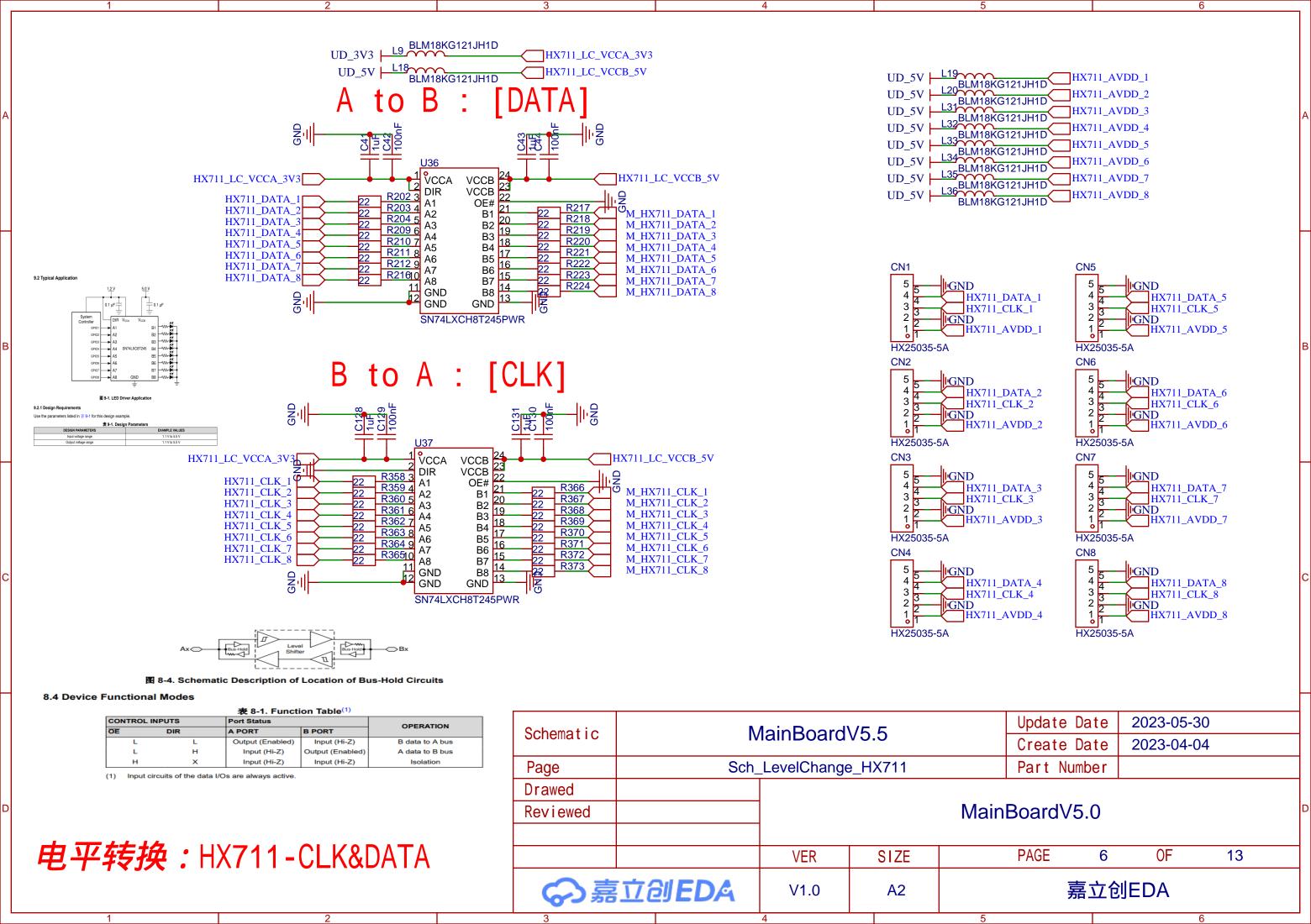
OE:低电平输出有效,高电平时禁止输出(高阻态)

RCLK: 上升沿时移位寄存器的数据进入存储寄存器

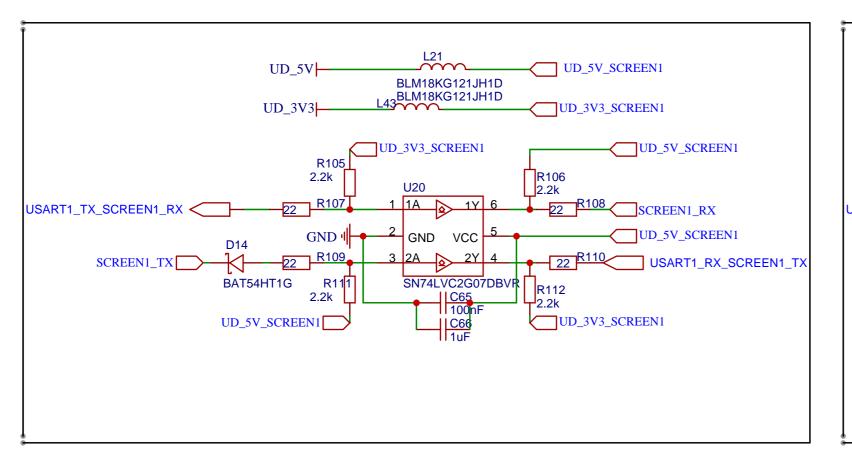
SRCLK:上升沿时数据寄存器的数据移位,QA->QB->....->QH

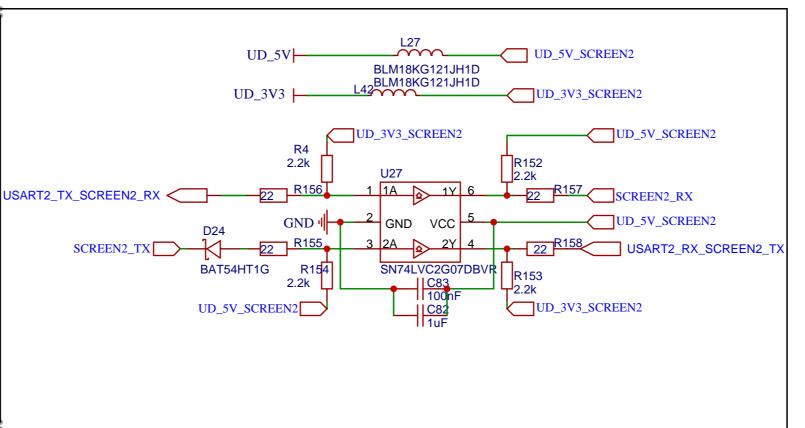
SRCLR: 低电平移位寄存器清零

Schematic	N	/lainBoard	V5 5	Update D	ate	2023-05-2	29			
Scriematic	IV	IVIAII IDOAI U V 3.3				2023-04-0	)4			
Page		Sch_LedC	Sch_LedCtrl Part Number							
Drawed										
Reviewed			MainBoardV5.0							
		VER	SIZE	PAGE	5	OF	13			
<b>◇嘉立创EDA</b>		V1.0	A4	嘉立创EDA						

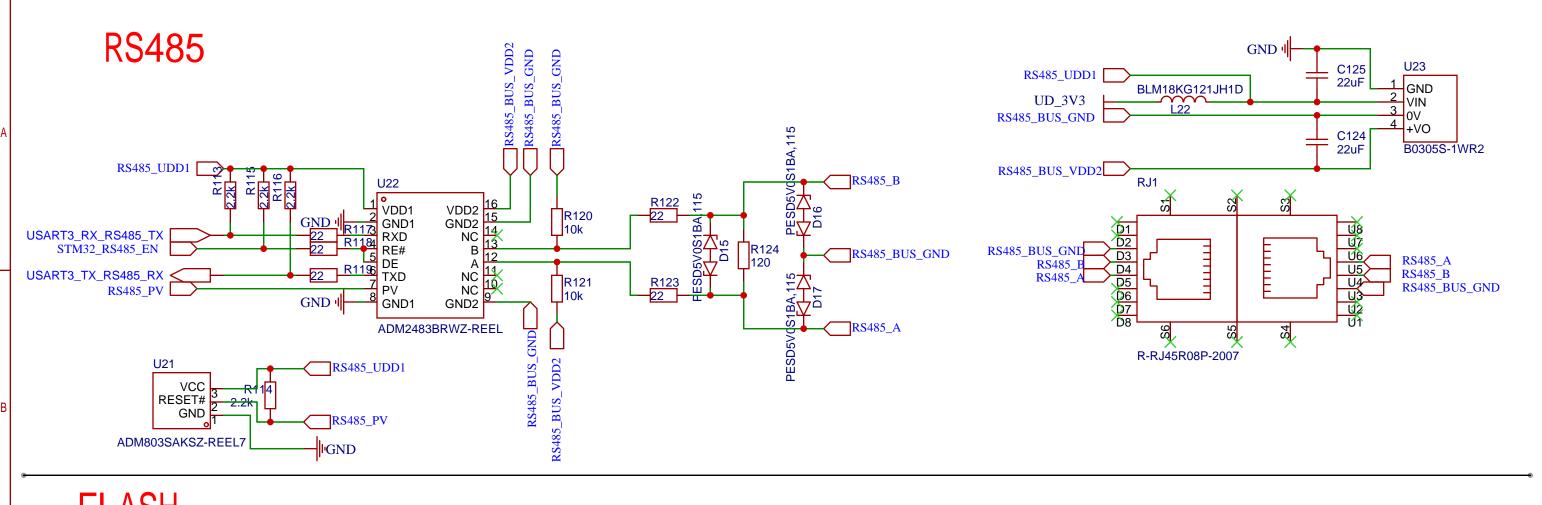


# 电平转换:屏-串口

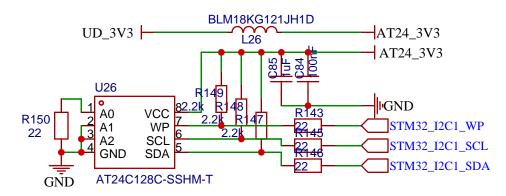




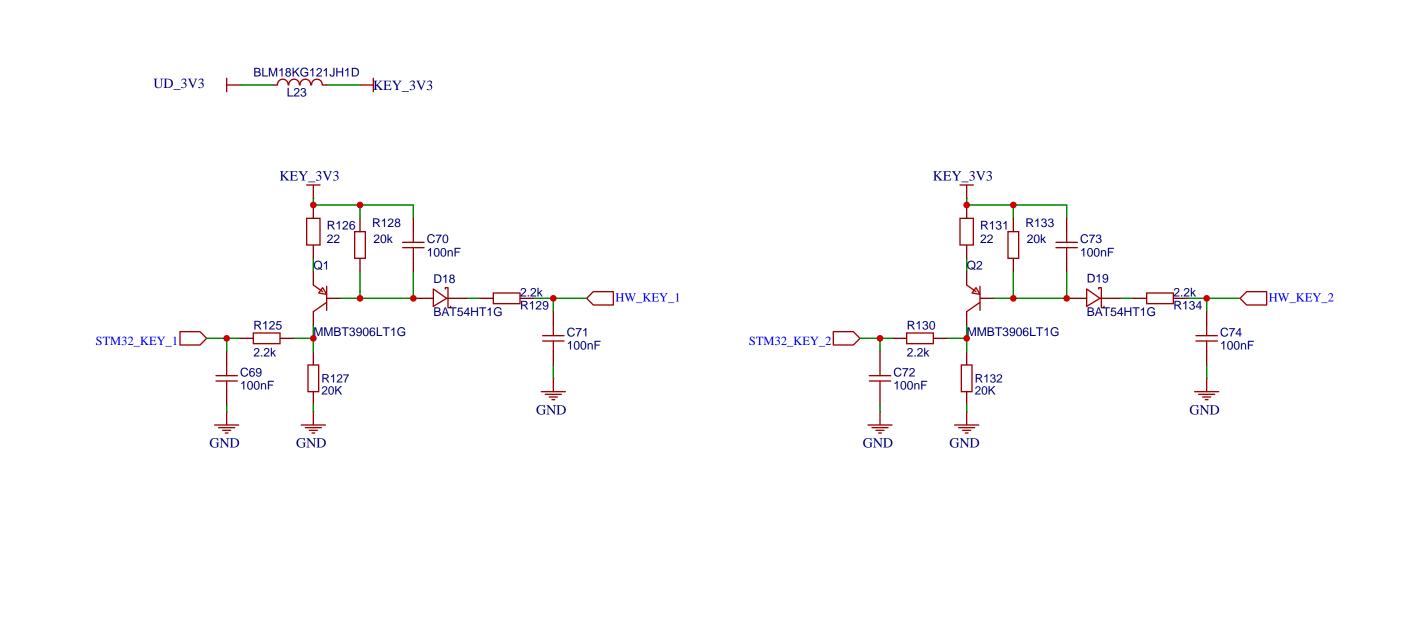
chematic	N	lainBoard'	VE E		Update	Date	2023-05-3	30	
Chematic	IV	iaiiibuaiu	V 3.3		Create	Date	2023-04-0	)4	
age	Sch_	LevelChange	_Screen		Part N	umber			
rawed									
eviewed				Mainl	BoardV	<b>'</b> 5.0			
		VER	SIZE		PAGE	7	OF	13	
会嘉	立创EDA	V1.0	A2			嘉立仓	JEDA		



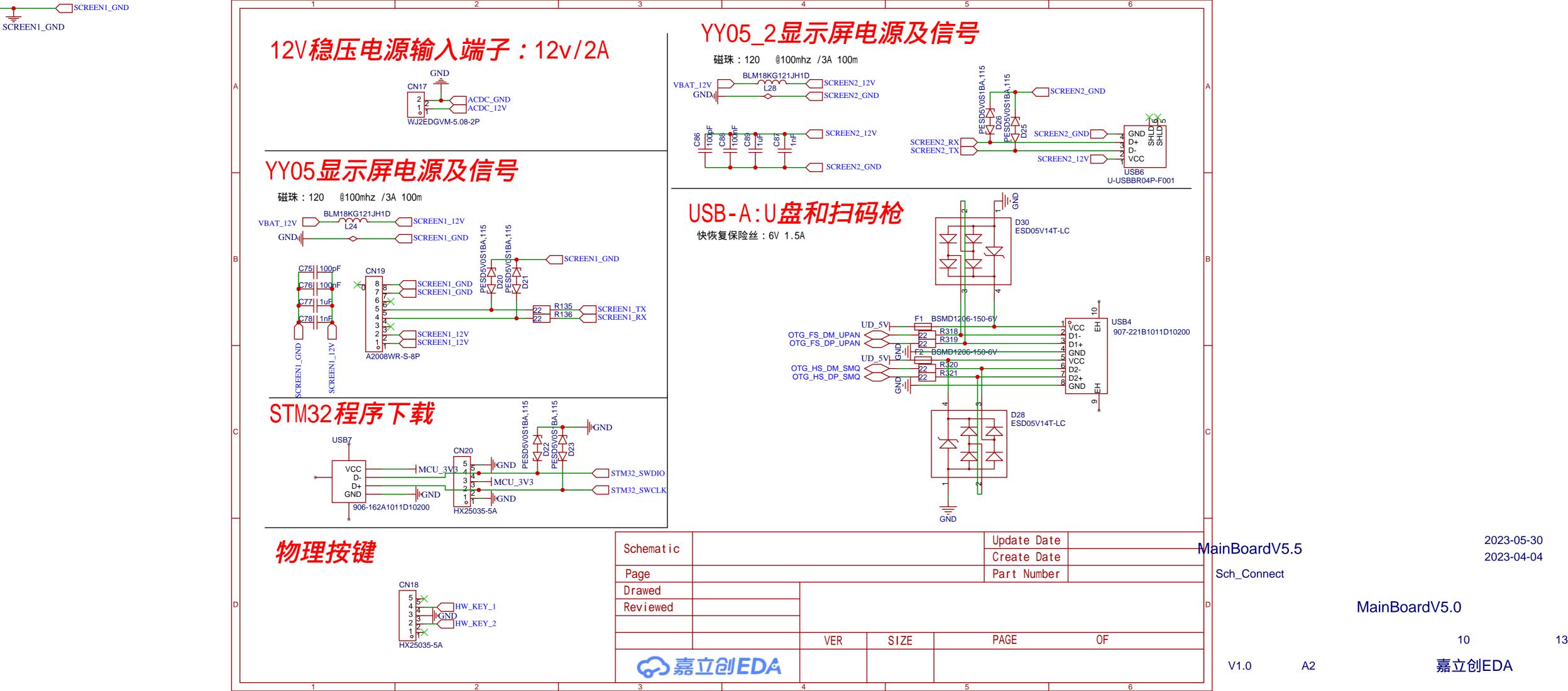
#### **FLASH**



Cohomotic	Λ.	10in Doord	nBoardV5.5 Update Date					80	
Schematic	IV	ramboard	Create	Date	2023-04-0	)4			
Page	S	ch_RS485_F	LASH		Part Nu	mber			
Drawed				•					
Reviewed		MainBoardV5.0							
		VER	SIZE		PAGE	8	OF	13	
<b>○嘉立创EDA</b>		V1.0	A4		暑	喜立仓	JEDA		

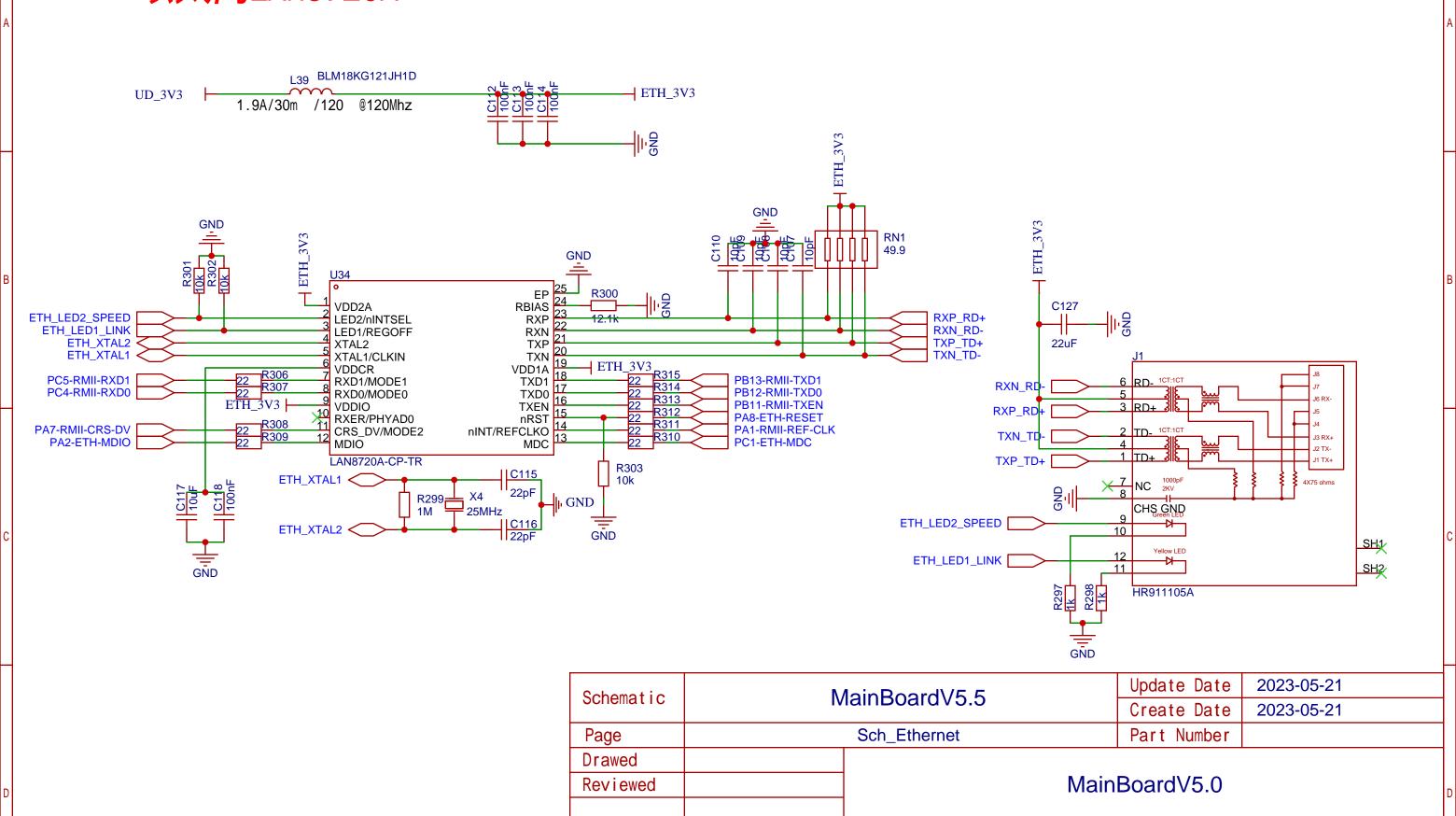


Schematic	N.	lainBoard'	V5 5		Update Da	ate	2023-05-	19		
Scrienatic	IV	lali ibualu	v J.J		Create Da	ate	2023-04-	04		
Page		Sch_KeyC	trl		Part Numb	oe r				
Drawed										
Reviewed			MainBoardV5.0							
		VER	SIZE		PAGE	9	OF	13		
<b>○嘉立创EDA</b>		V1.0	A2	嘉立创EDA						
<u> </u>			<del>'                                    </del>	<u> </u>		_		^		



SCREEN1\_GND

### 以太网LAN8720A



**VER** 

V1.0

SIZE

**A4** 

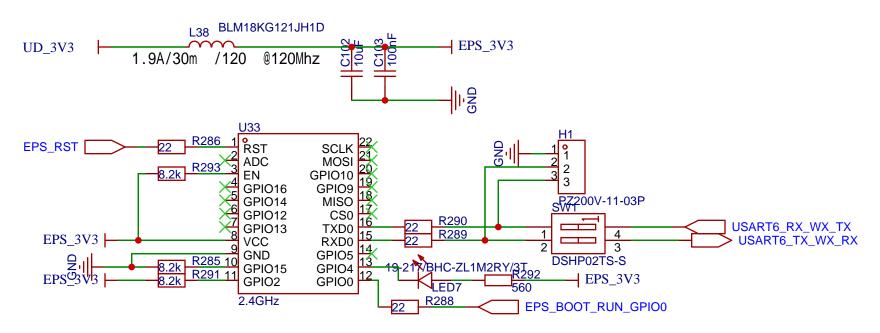
PAGE

11

嘉立创EDA

13

#### WIFI-EPS8266



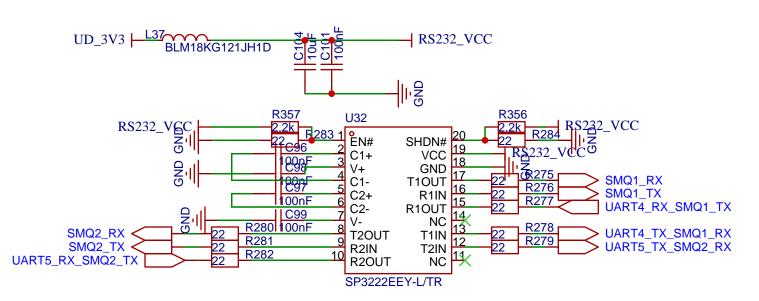
表模组启动模式说明

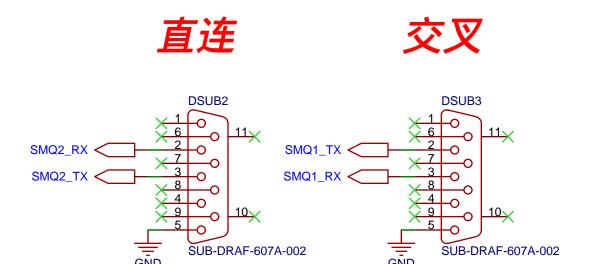
		W 150		71				
模式	CH_PD (EN)	RST	GPI015	GPIO	0	GP102	TXD0	運
下载模式	高	高	低	低		高	高	
运行模式	高	高	低	高		高	高	

注意: 部分引脚已经内部上拉, 请参考原理图

Schematic	N.	1ainBoard	\/ <b>5 5</b>	Upc	late Date	2023-05-2	22			
Scriematic	IV	lallibualu	v5.5	Cre	ate Date	2023-05-2	21			
Page		Sch_Wifi		Par	t Number					
Drawed										
Reviewed			MainBoardV5.0							
		VER	SIZE	PAG	E 12	0F	13			
<b>○嘉立创EDA</b>		V1.0	A4	嘉立创EDA						

## RS232*扫码枪*





Schematic	Λ.	Main Board	V		Update [	Date	2023-05-2	1		
Schematic	IV	MainBoardV5.5				Date	2023-05-2	1		
Page		Sch_RS23	2		Part Num	nber				
Drawed										
Reviewed			MainBoardV5.0							
		VER	SIZE		PAGE	13	OF	13		
♦	<b>○嘉立创EDA</b>		A4	嘉立创EDA						