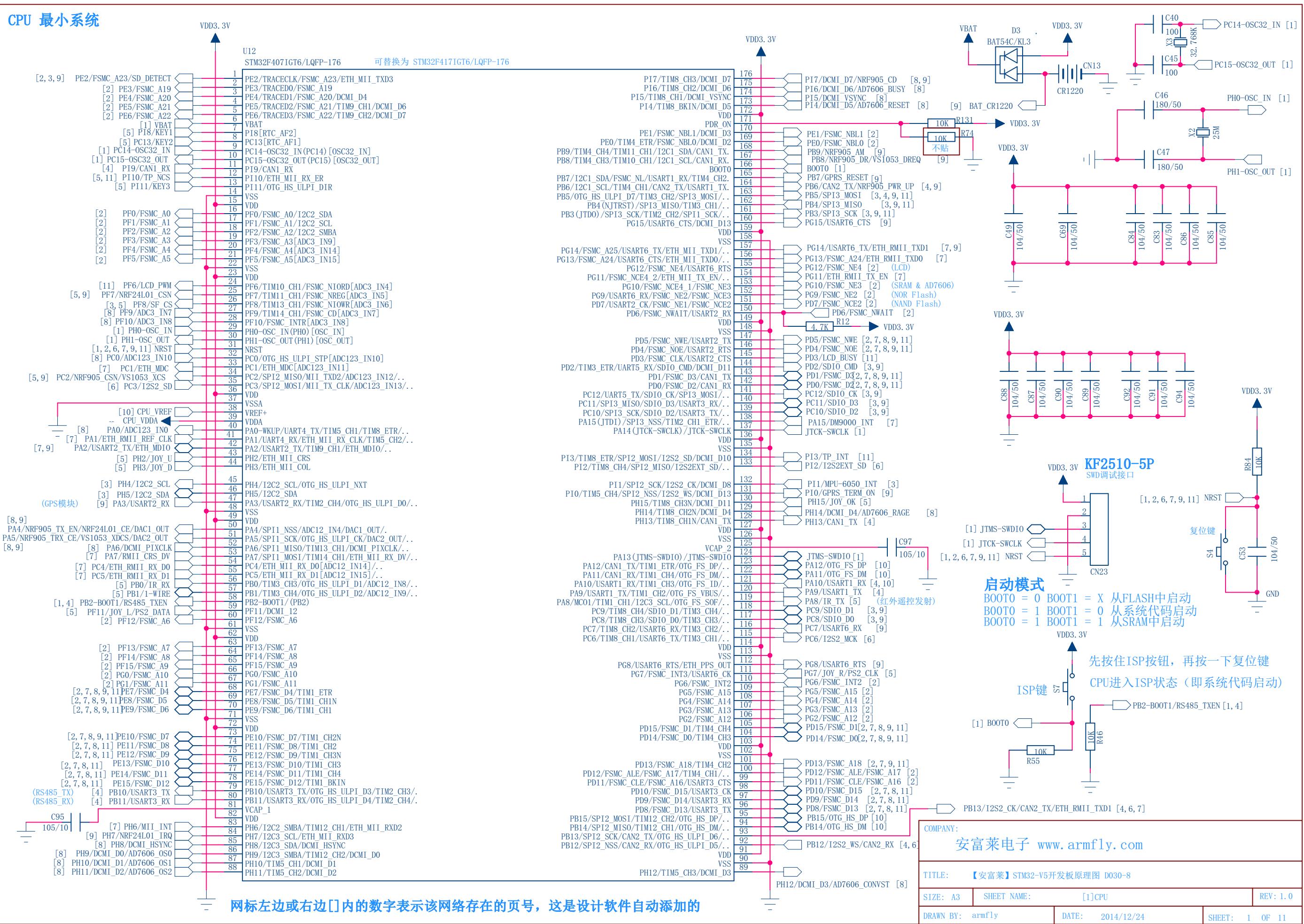
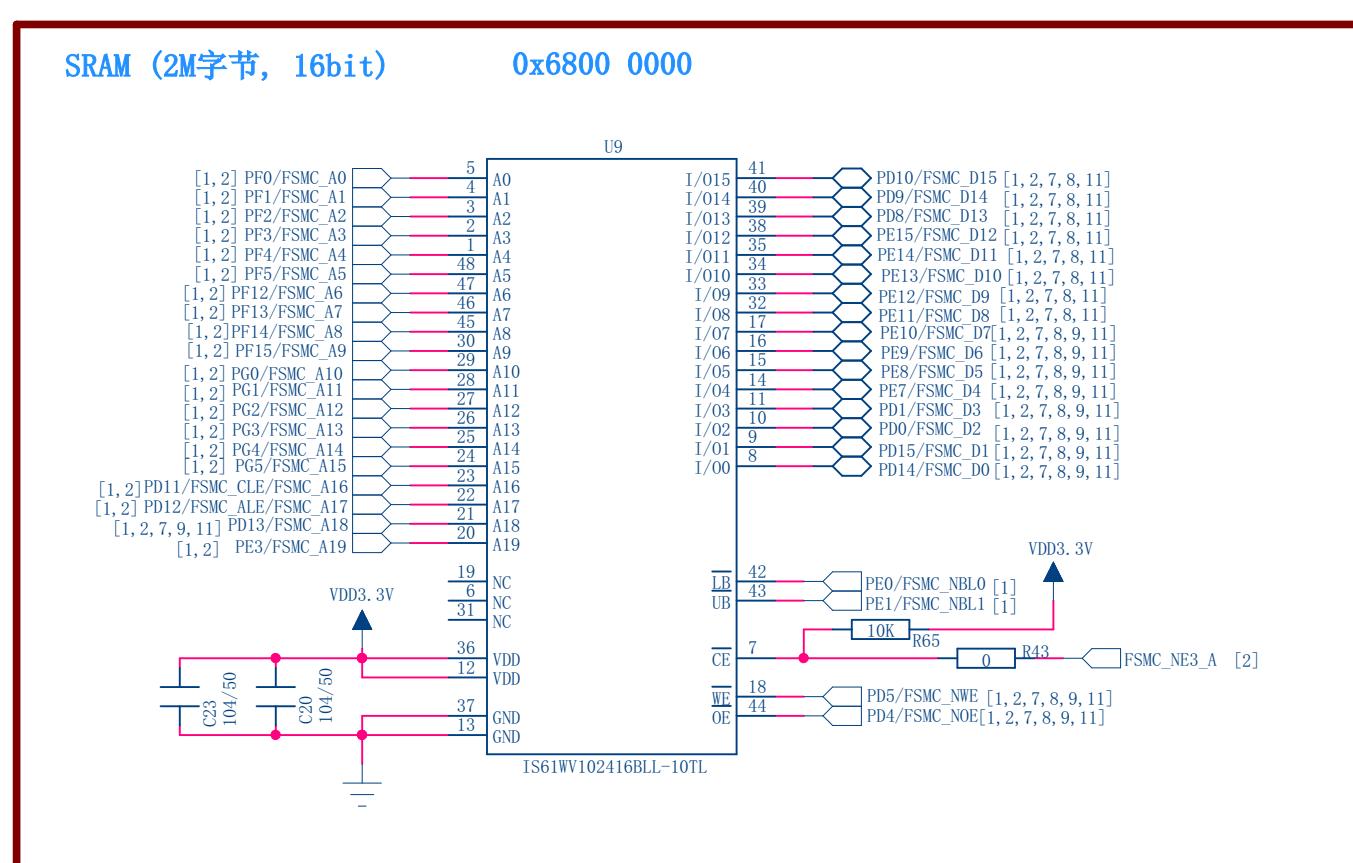
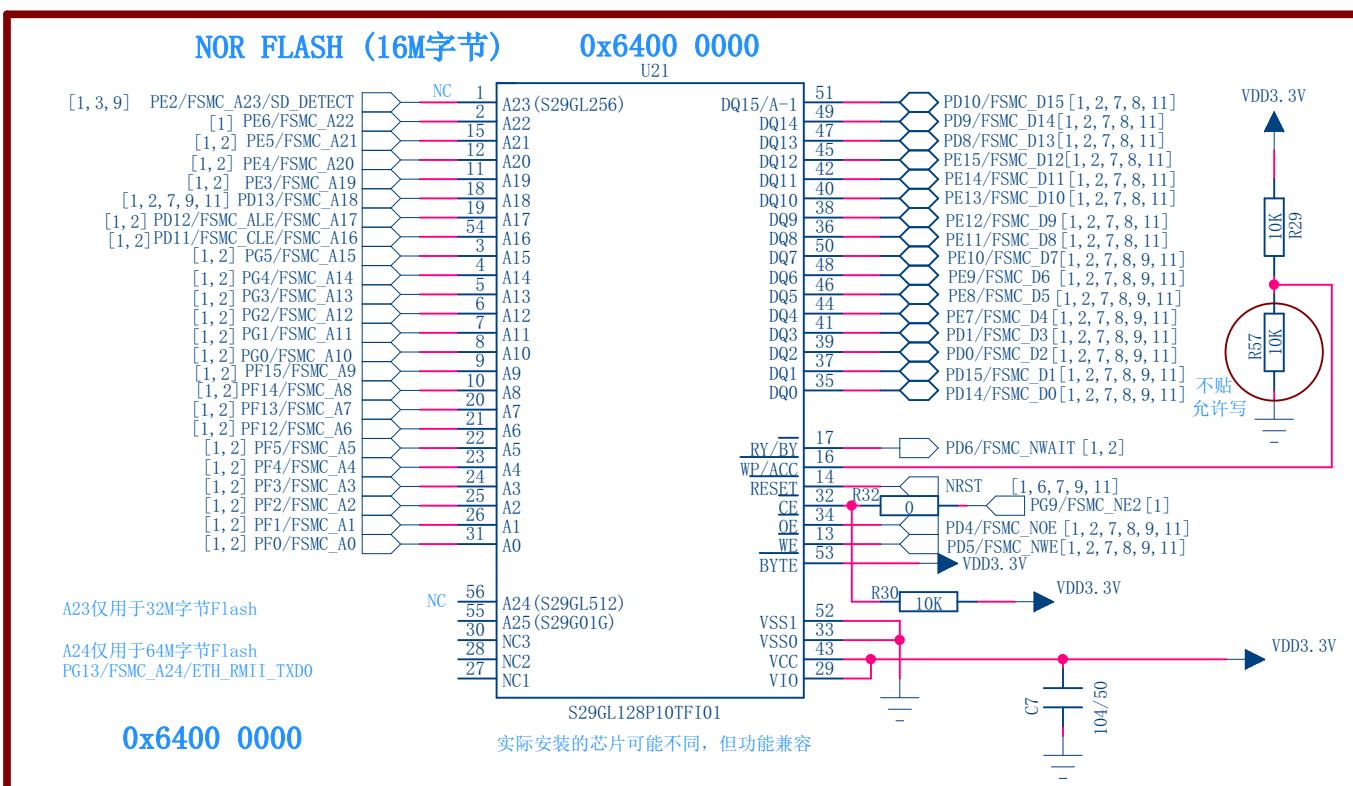
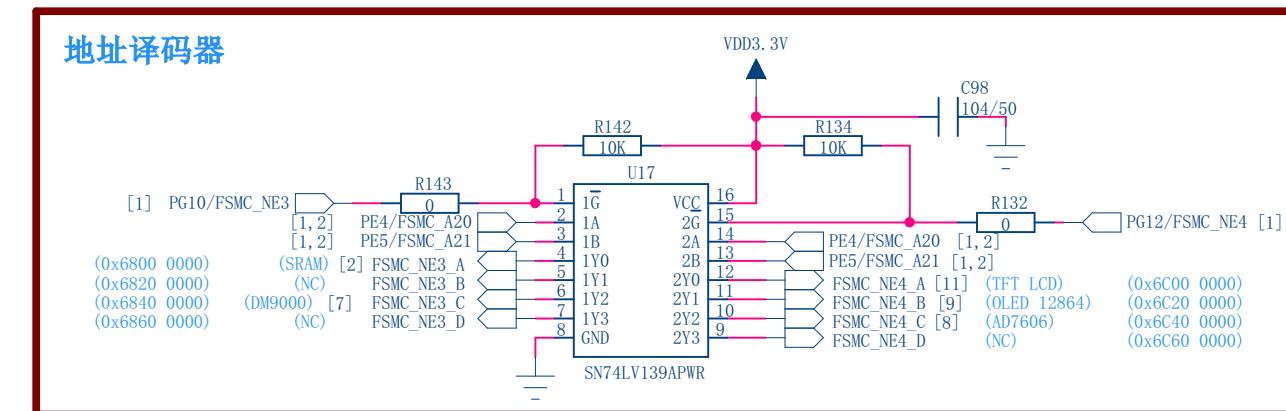


## CPU 最小系统



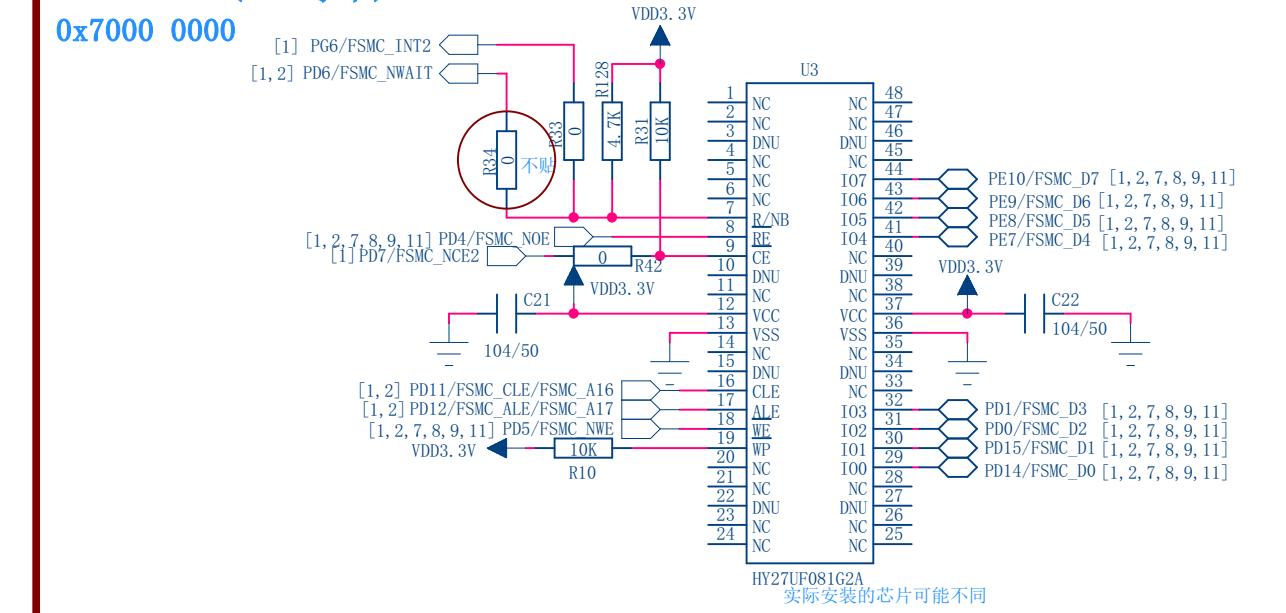


## LCD的接口在第11页



NAND FLASH(128M字节)

0x7000 0000



COMPANY:  
安富莱电子 www.armfly.com

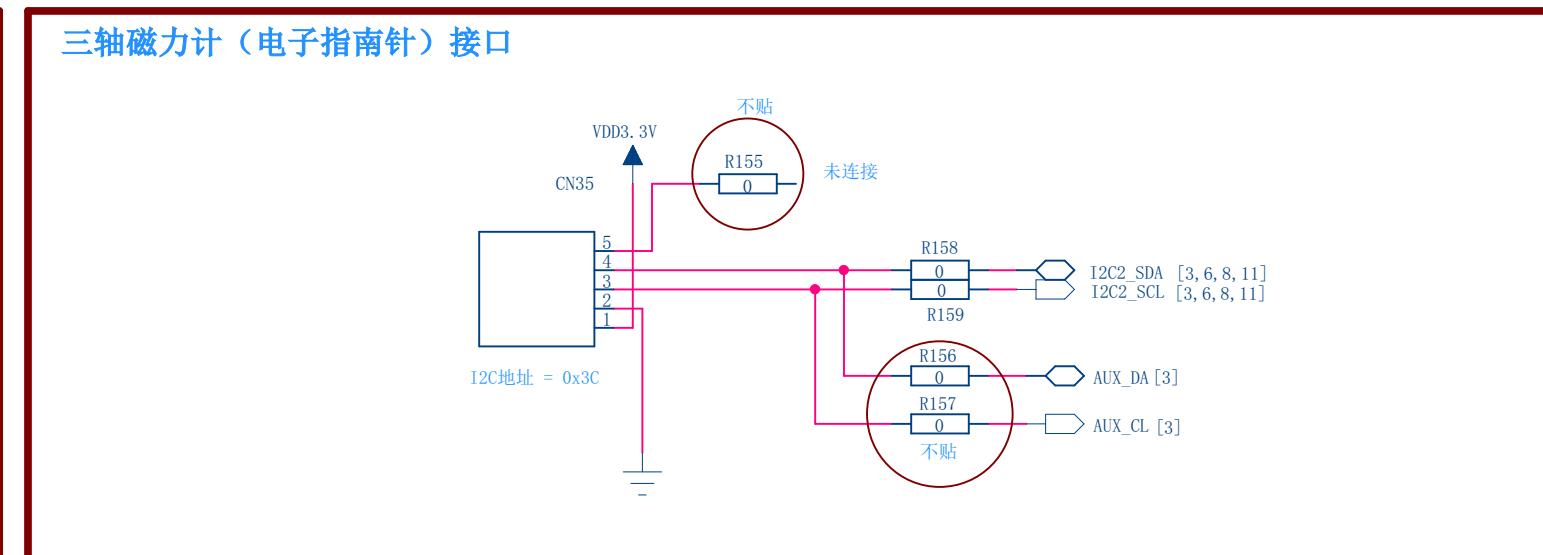
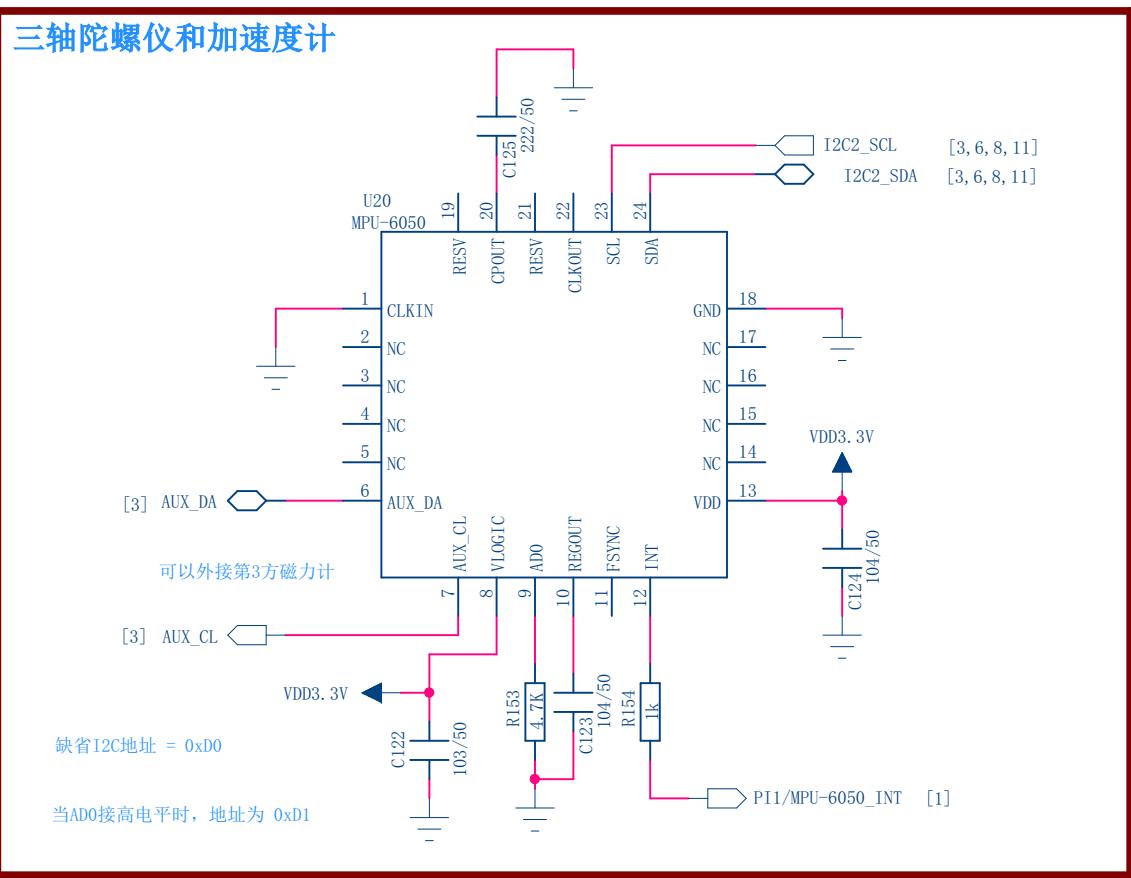
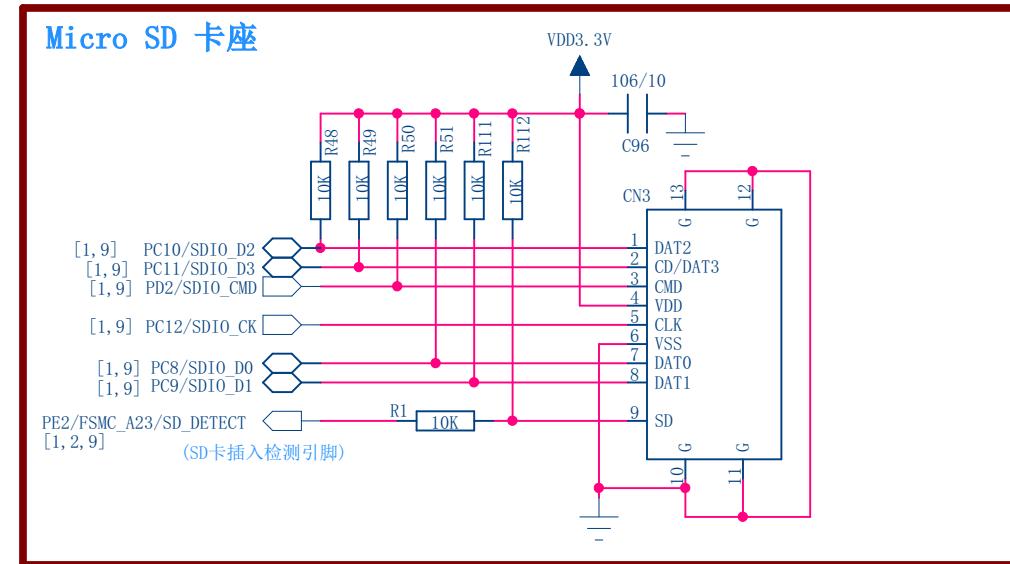
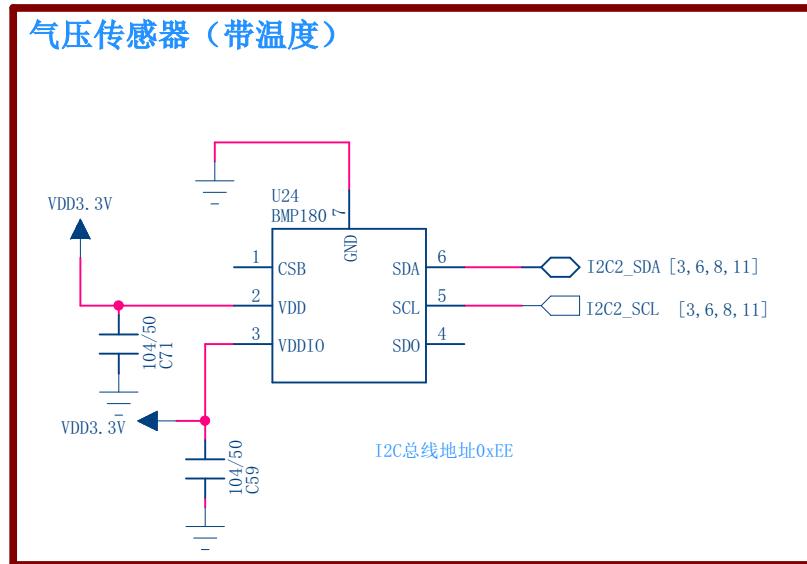
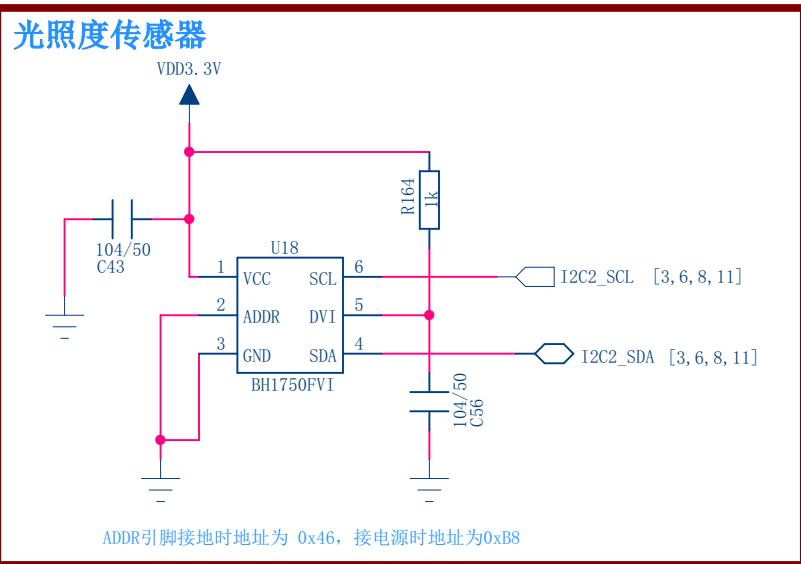
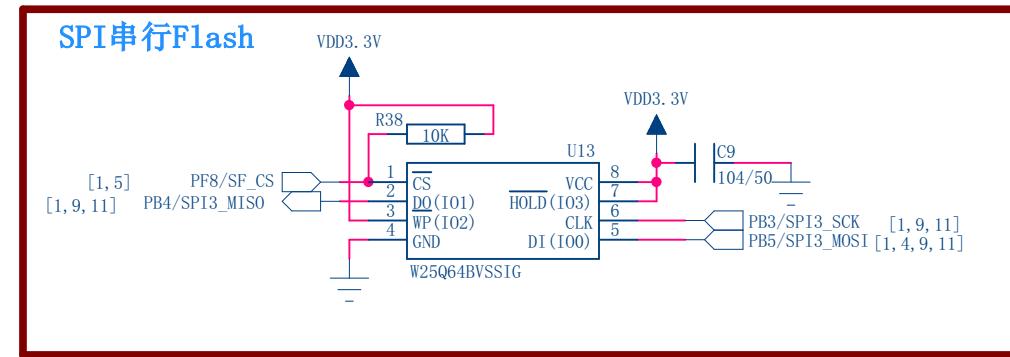
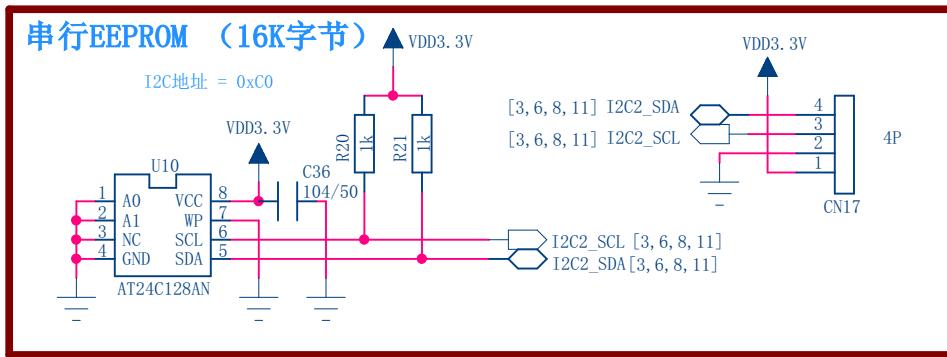
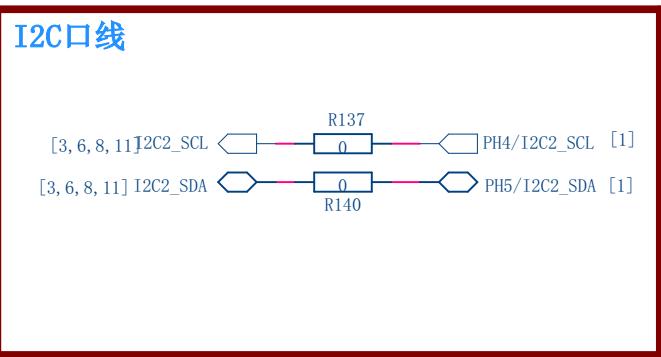
TITLE: 【安富莱】STM32-V5开发板原理图 D030-8

SIZE: A3 SHEET NAME: [2]SRAM NAND NOR

REV: 1.0

DRAWN BY: armfly DATE: 2014/12/24

DATE: 2014/12/24



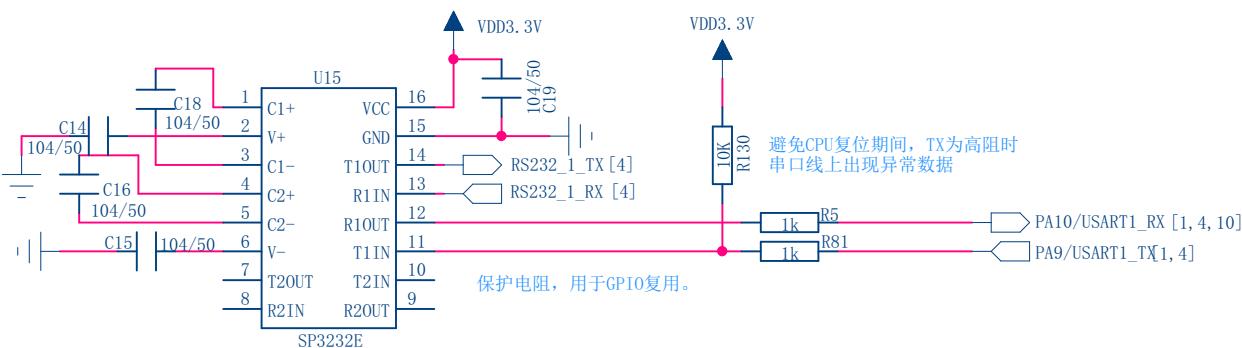
COMPANY:  
安富莱电子 [www.armfly.com](http://www.armfly.com)

TITLE: 【安富莱】STM32-V5开发板原理图 D030-8

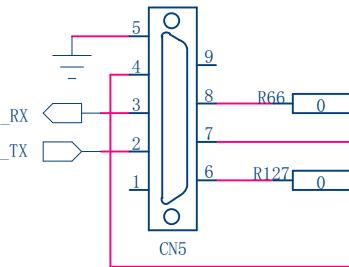
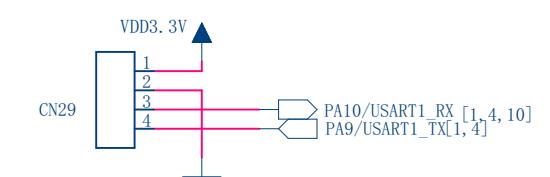
SIZE: A3 SHEET NAME: [3]I2C\_SFFLASH\_SD REV: 1.0

DRAWN BY: armfly DATE: 2014/12/24 SHEET: 3 OF 11

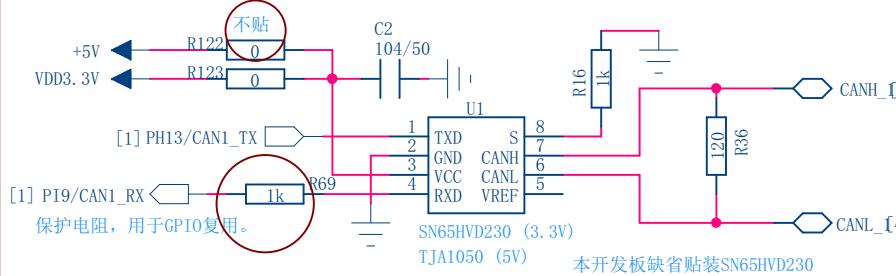
### 两路RS232串口 (USART1)



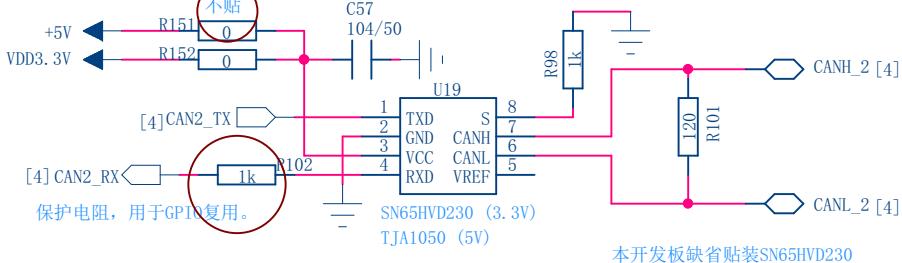
模块相同，可直接连接。



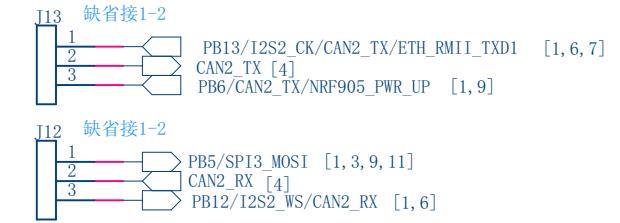
### CAN接口1



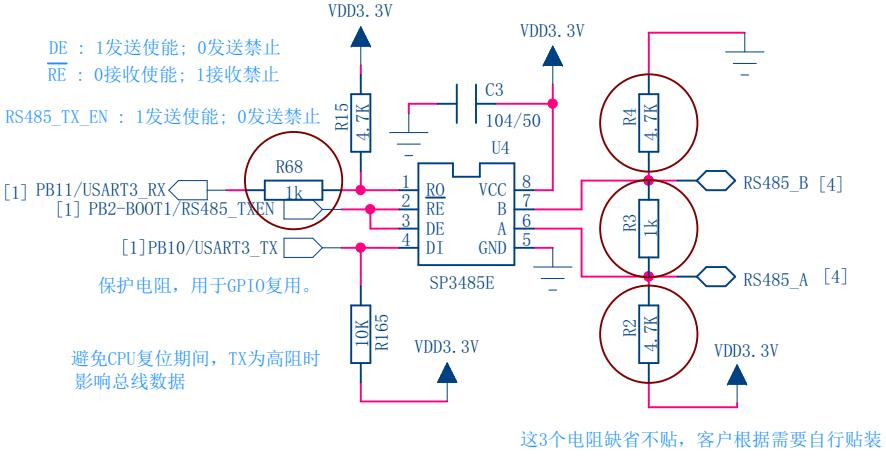
### CAN接口2



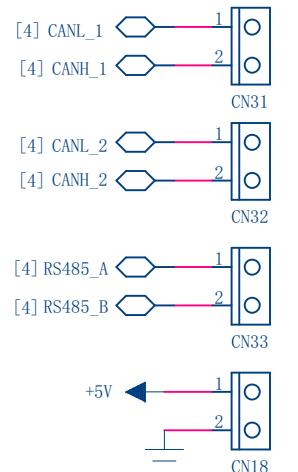
本开发板缺省贴装SN65HVD230



### RS485 (USART3)



### KF128 接线端子



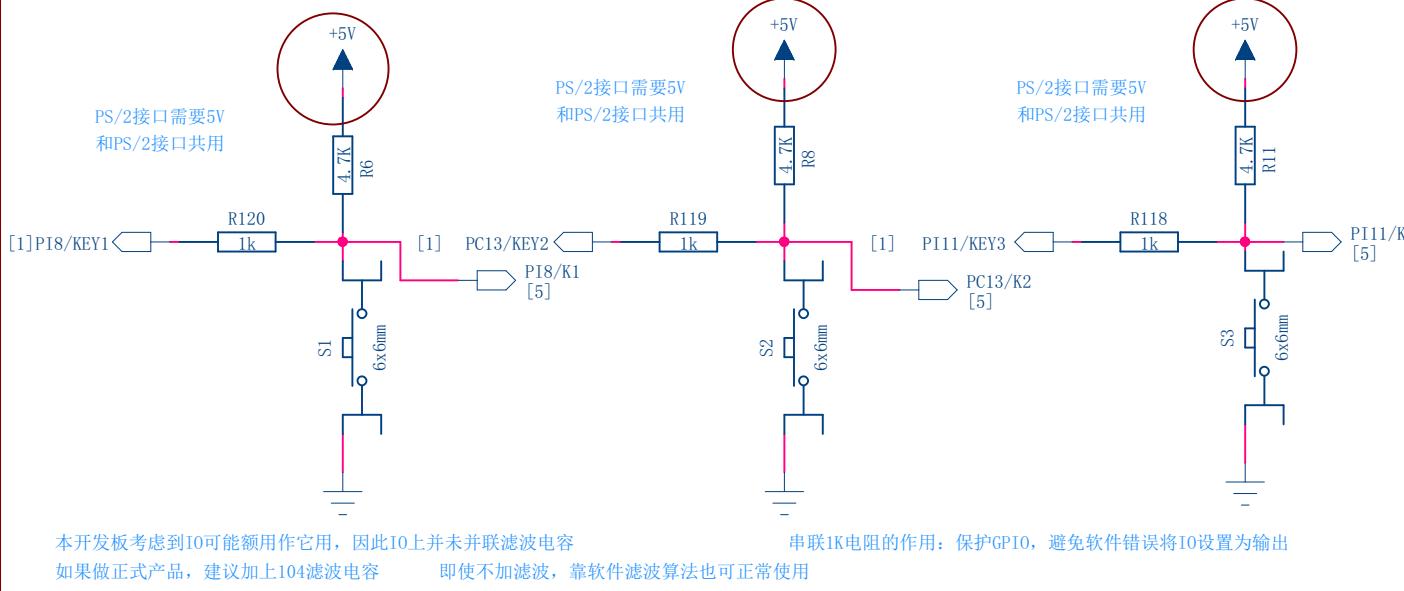
COMPANY:

安富莱电子 [www.armfly.com](http://www.armfly.com)

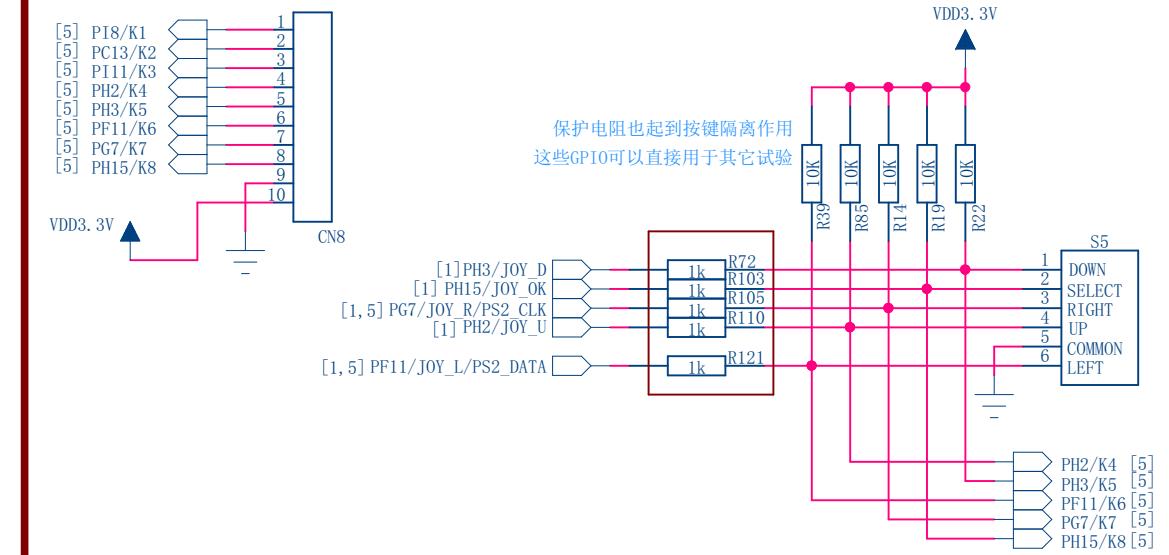
TITLE: 【安富莱】STM32-V5开发板原理图 D030-8

SIZE: A3	SHEET NAME: [4]RS232_RS485_CAN	REV: 1.0
DRAWN BY: armfly	DATE: 2014/12/24	SHEET: 4 OF 11

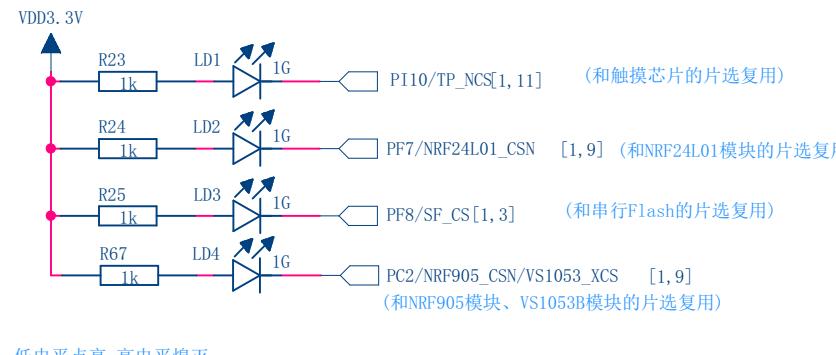
### 用户自定义按钮



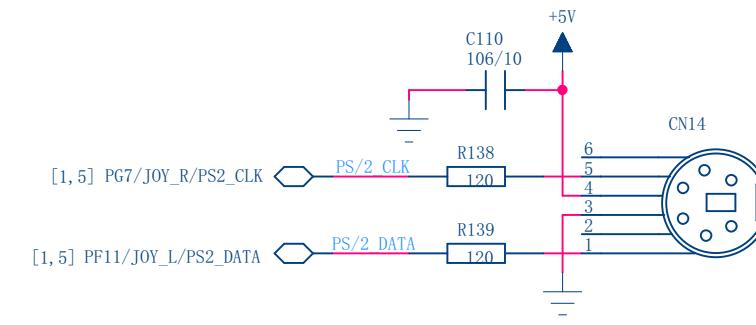
### 外接10P按钮排针



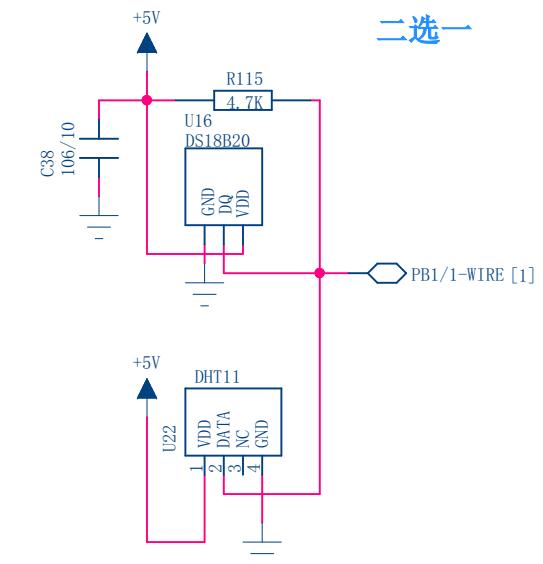
### 用户自定义LED指示灯



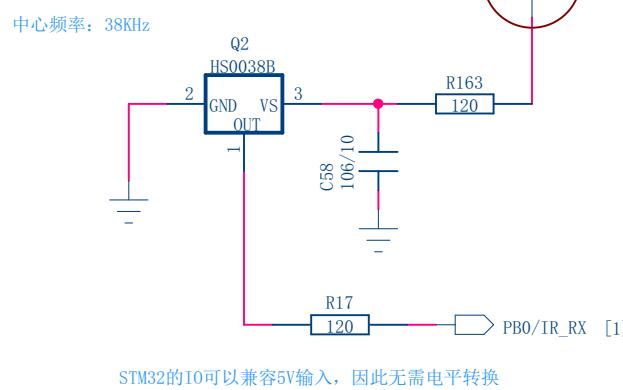
### PS/2接口 可连接键盘，鼠标，扫描枪



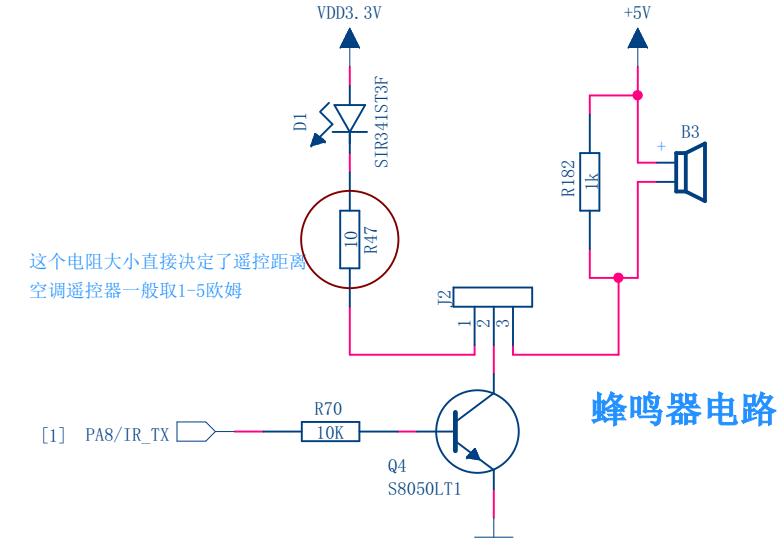
### 1-WIRE接口



### 红外接收



### 红外发射

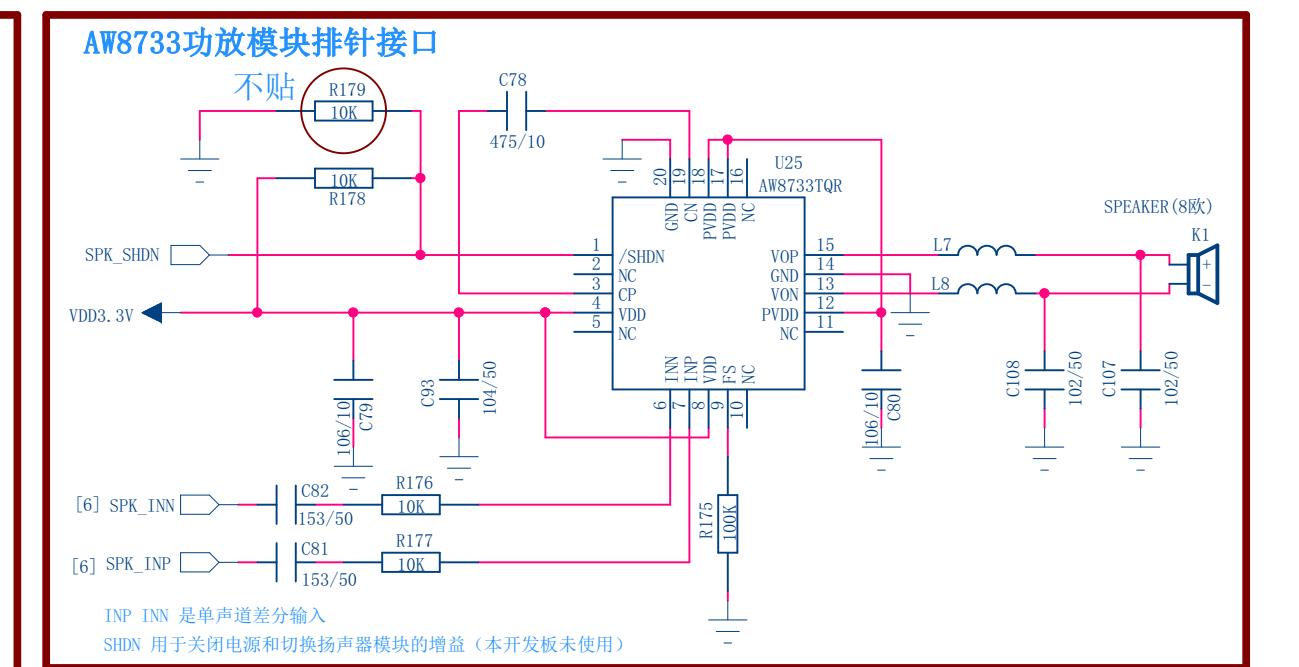
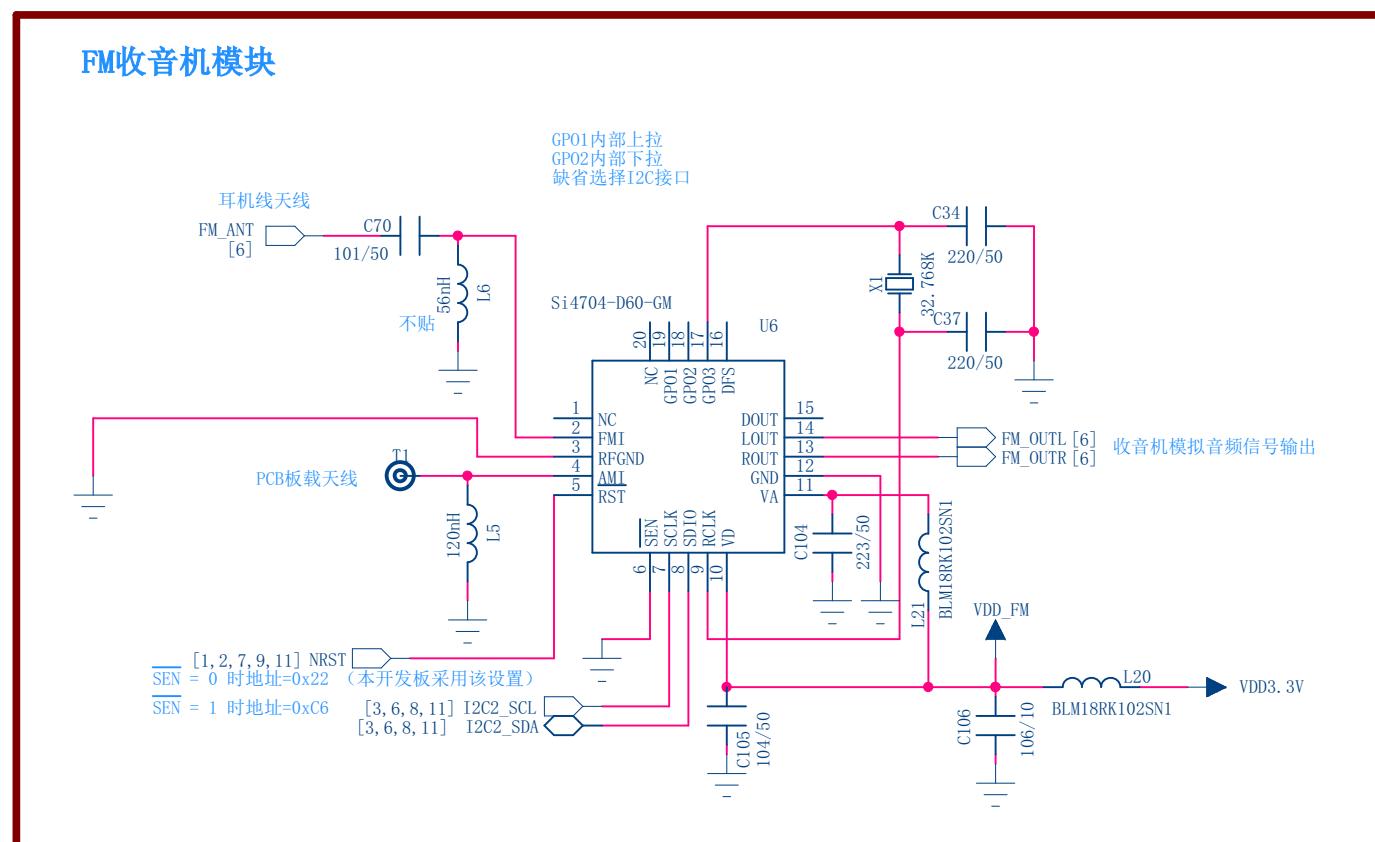
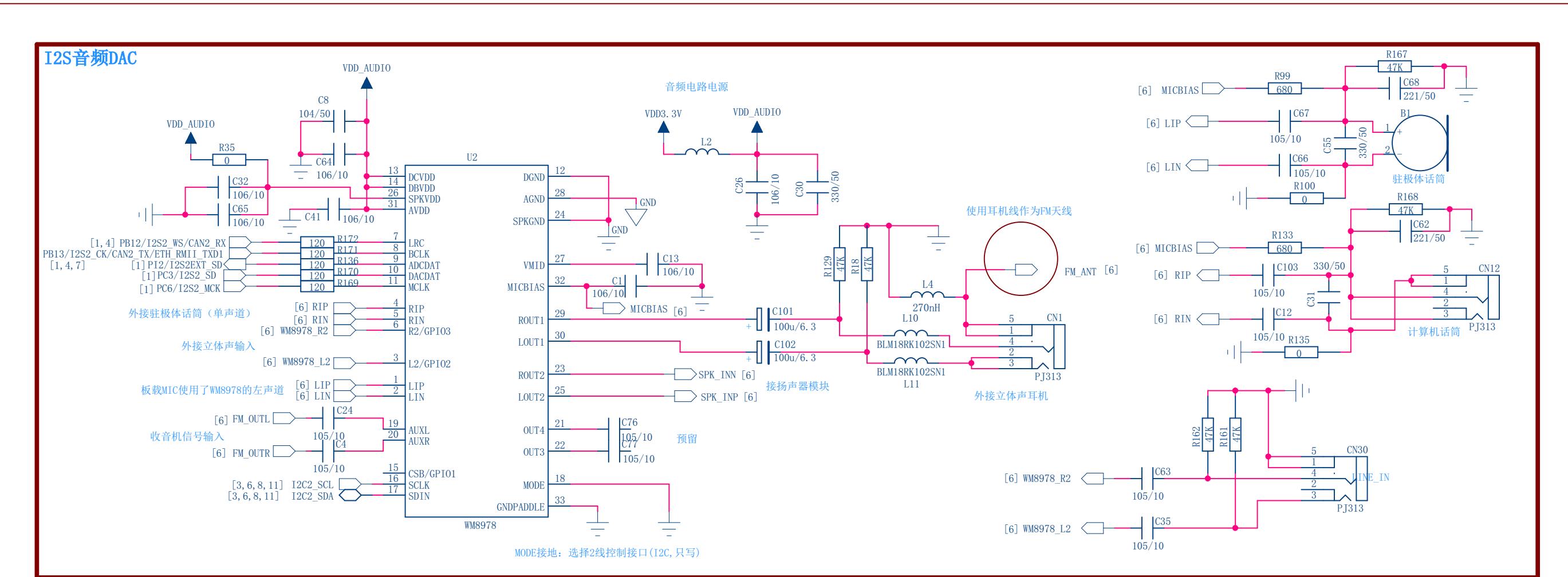


COMPANY:  
安富莱电子 [www.armfly.com](http://www.armfly.com)

TITLE: 【安富莱】STM32-V5开发板原理图 D030-8

SIZE: A3 SHEET NAME: [5]KEY\_LED\_PS2\_IR REV: 1.0

DRAWN BY: armfly DATE: 2014/12/24 SHEET: 5 OF 11



COMPANY:  
安富莱电子 www.armfly.com

TITLE: 【安富莱】STM32-V5开发板原理图 D030-8

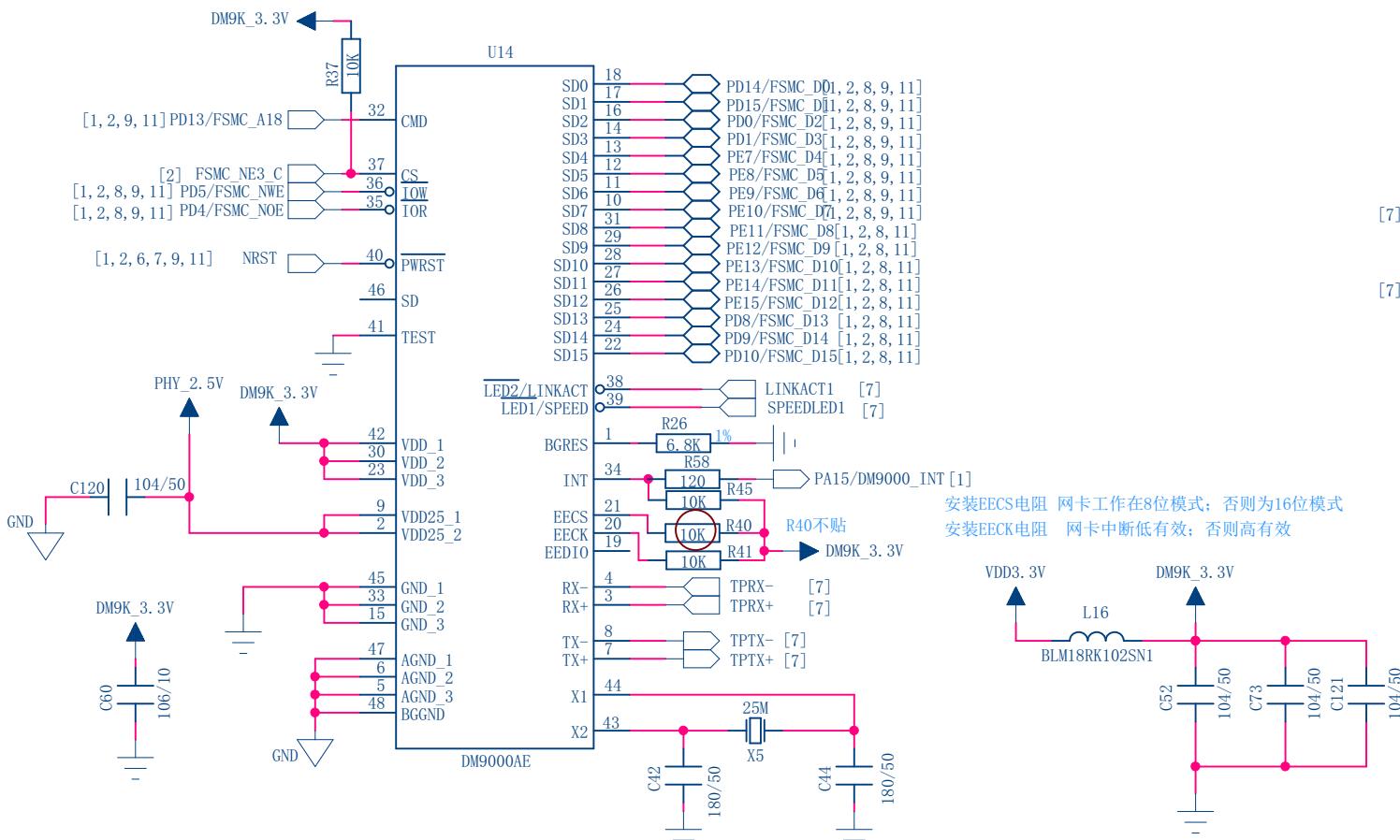
SIZE: A3 SHEET NAME: [6]WM8978 FM SPK

DRAWN BY : armfly DATE : 2014/10/2

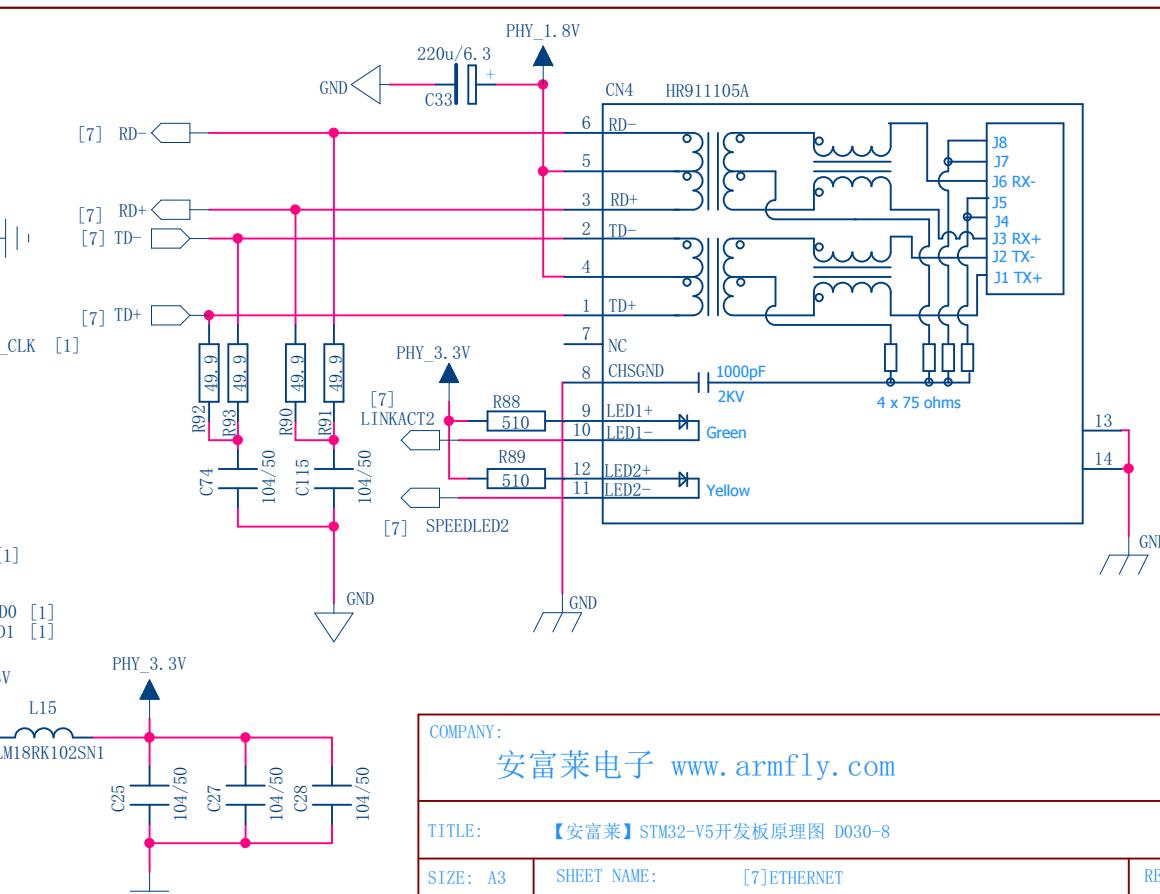
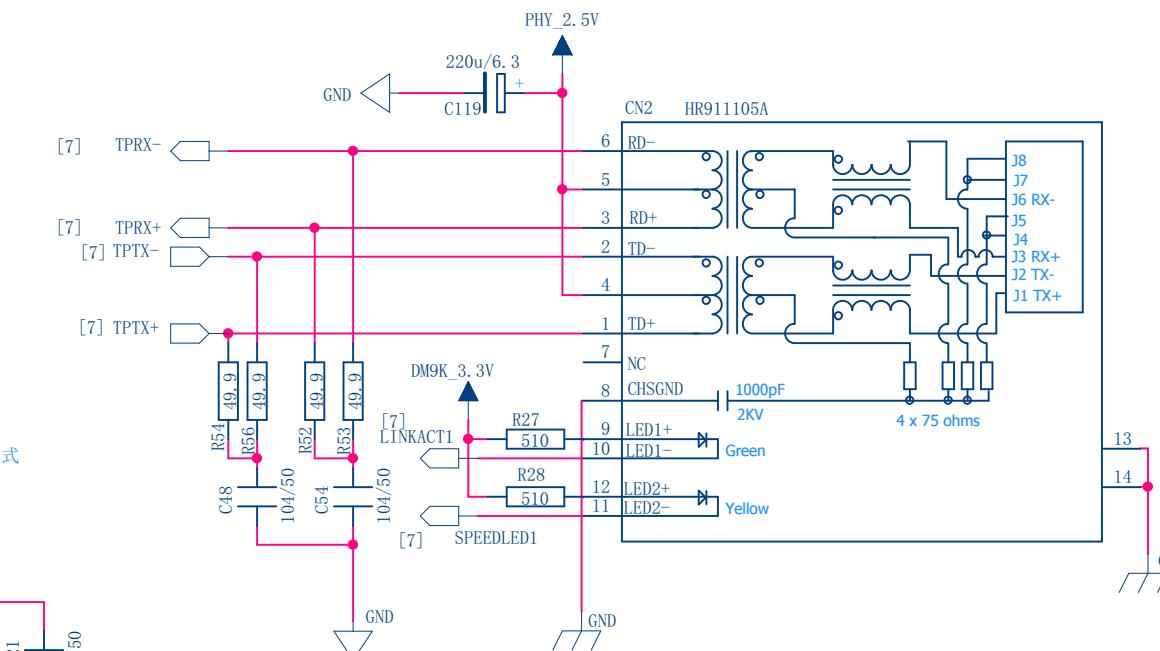
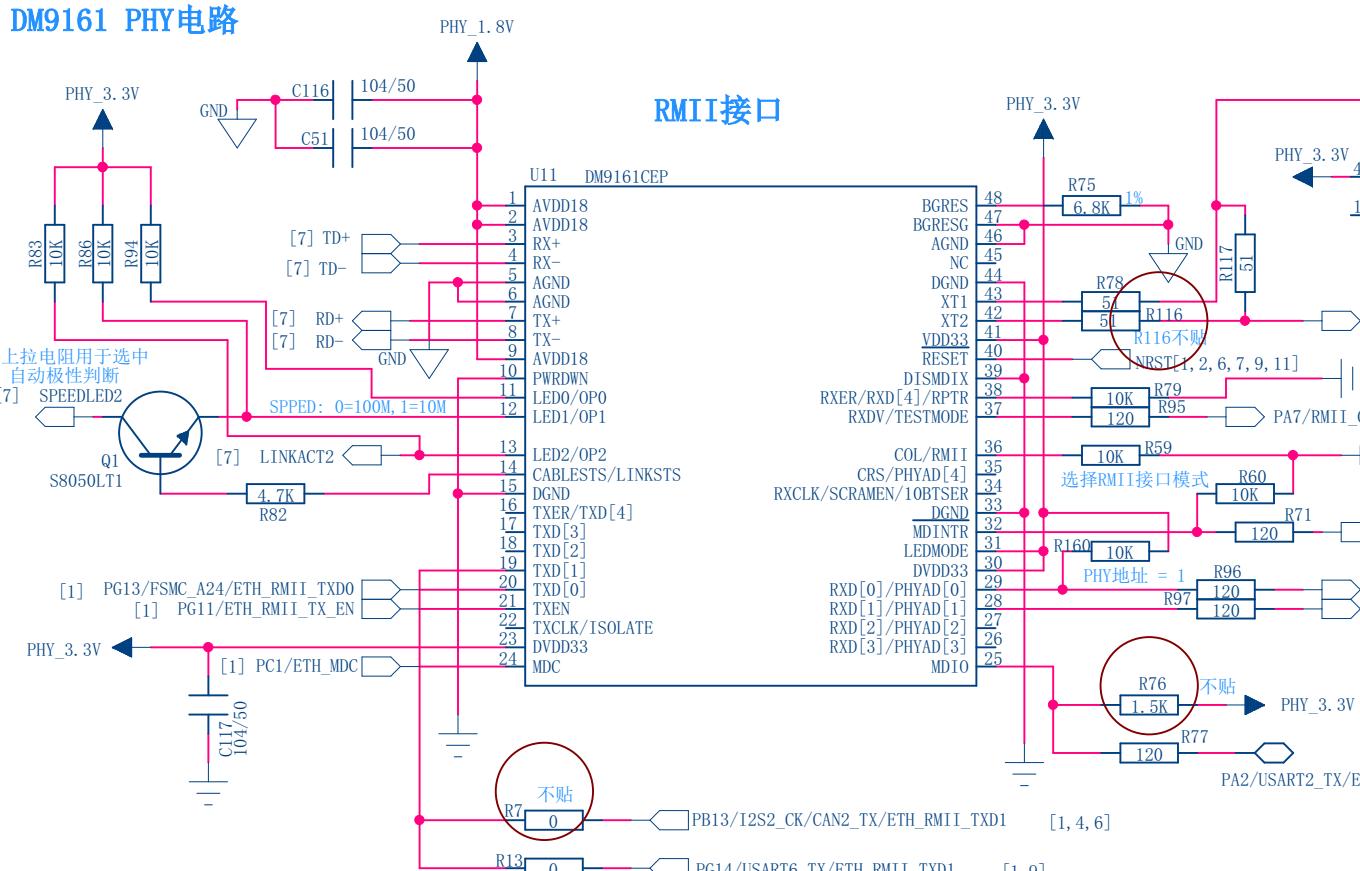
卷之三

## DM9000 网卡电路

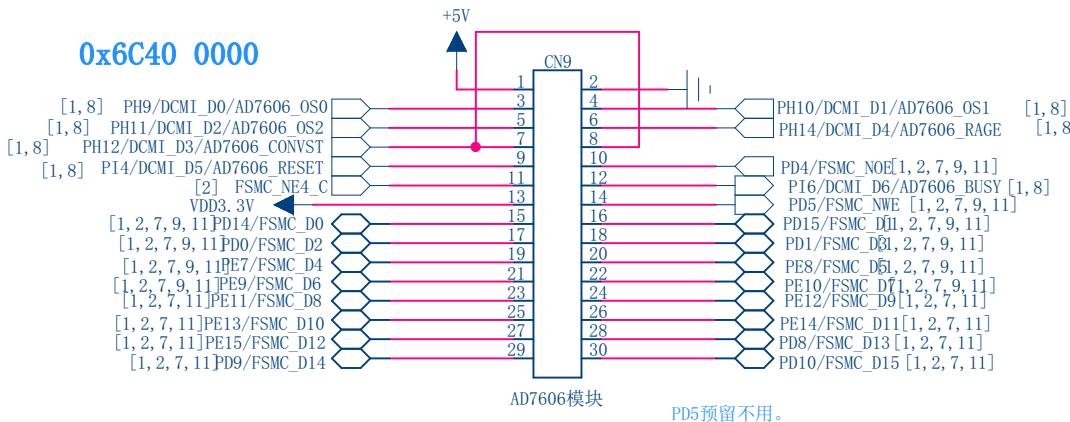
0x6840 0000      0x6848 0000



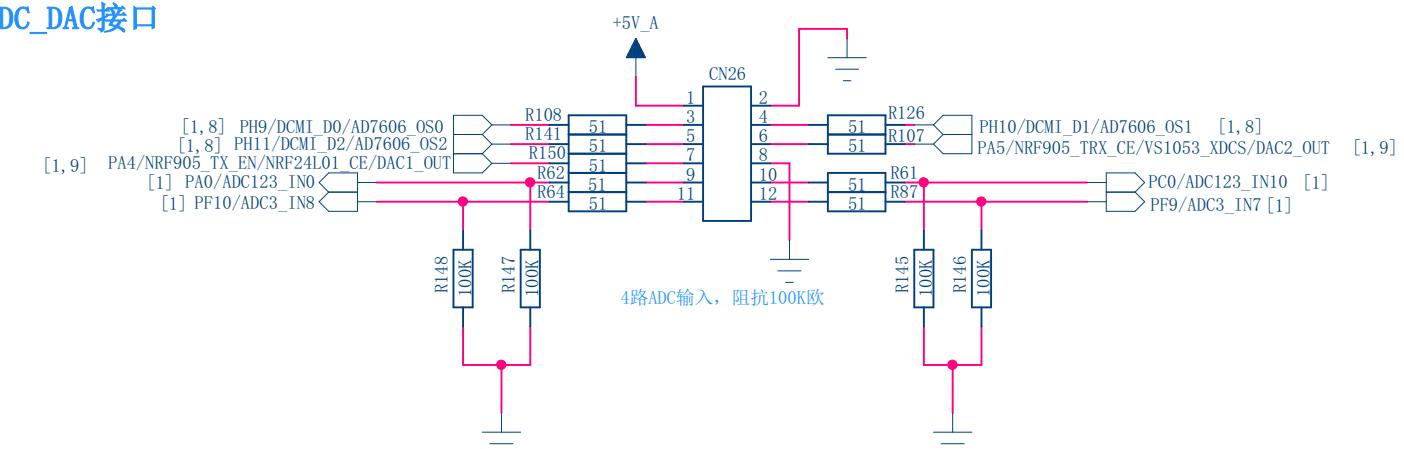
DM9161 PHY电路



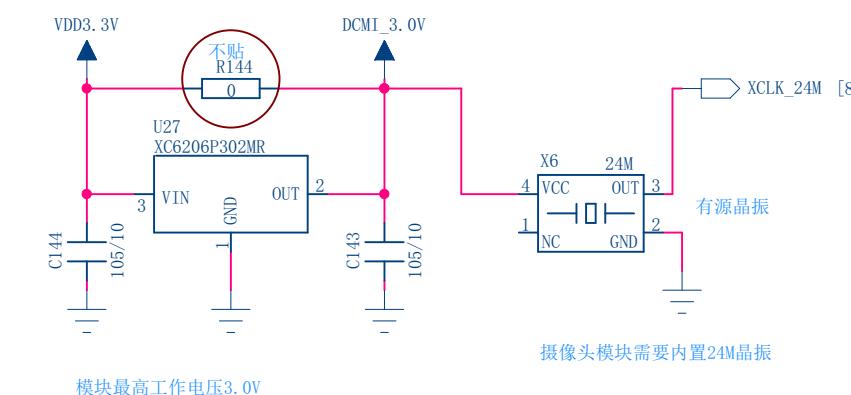
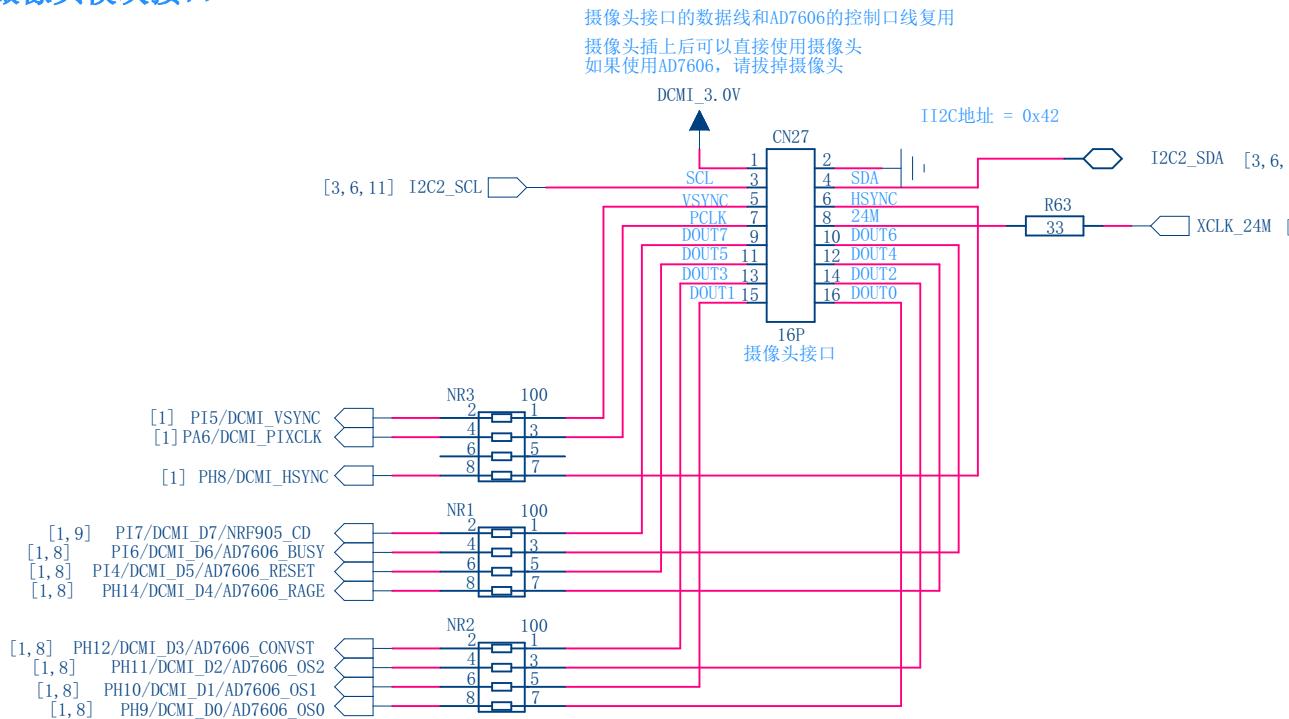
### AD7606\_8通道16位ADC模块接口



### ADC\_DAC接口



### 摄像头模块接口



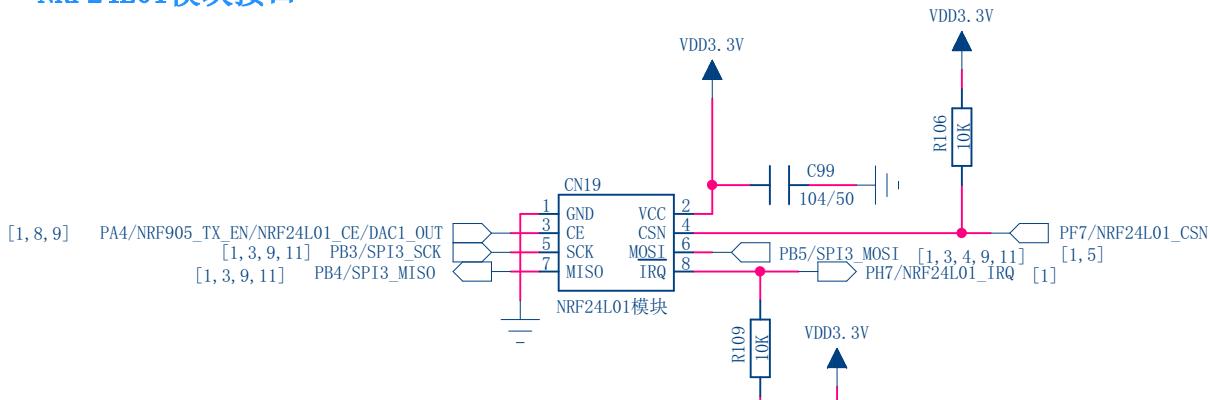
COMPANY:

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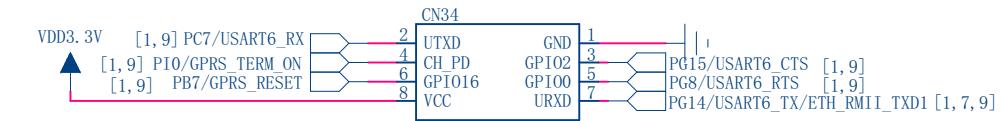
TITLE: 【安富莱】STM32-V5开发板原理图 D030-8

SIZE: A3	SHEET NAME: [8]AD7606_CAMERA	REV: 1.0
DRAWN BY: armfly	DATE: 2014/12/24	SHEET: 8 OF 11

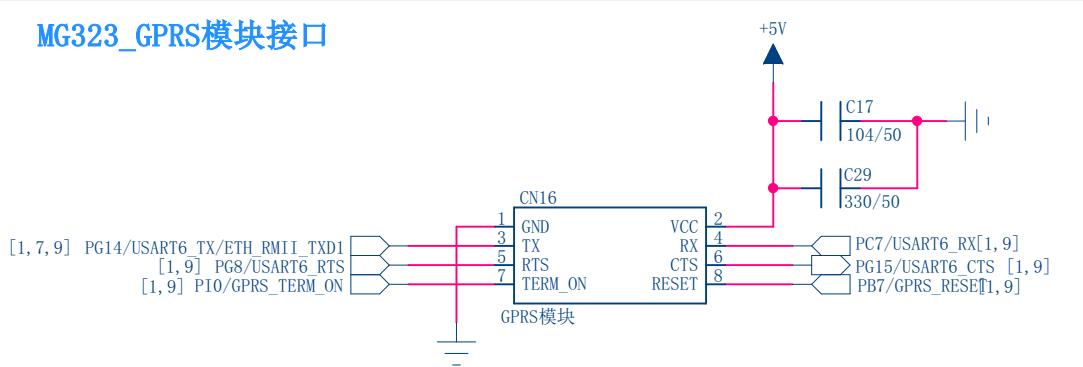
### NRF24L01模块接口



### ESP8266串口WIFI接口



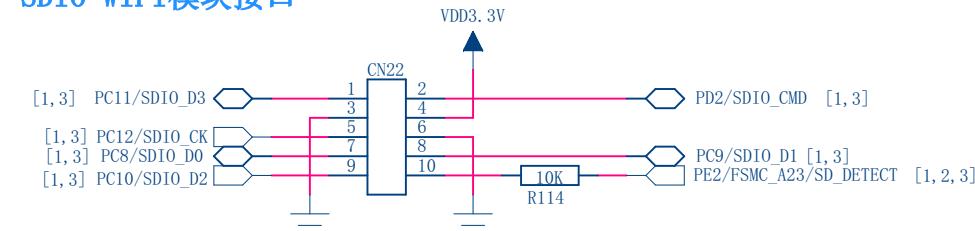
### MG323\_GPRS模块接口



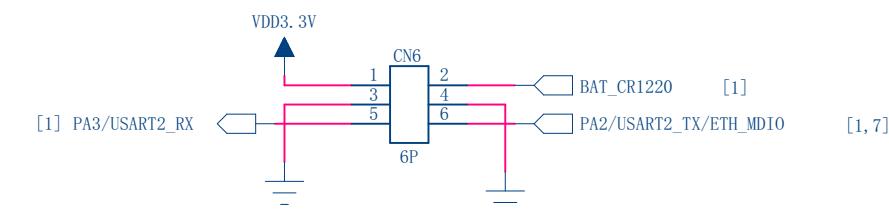
华为MG323\_GPRS模块供电电压范围：3.3V – 4.8V  
最大峰值电流 2A GPRS模式时平均电流 460mA

由于GPRS电源消耗功率接近USB口供电最大500mA的极限  
因此使用GPRS模块时，请使用外部电源供电

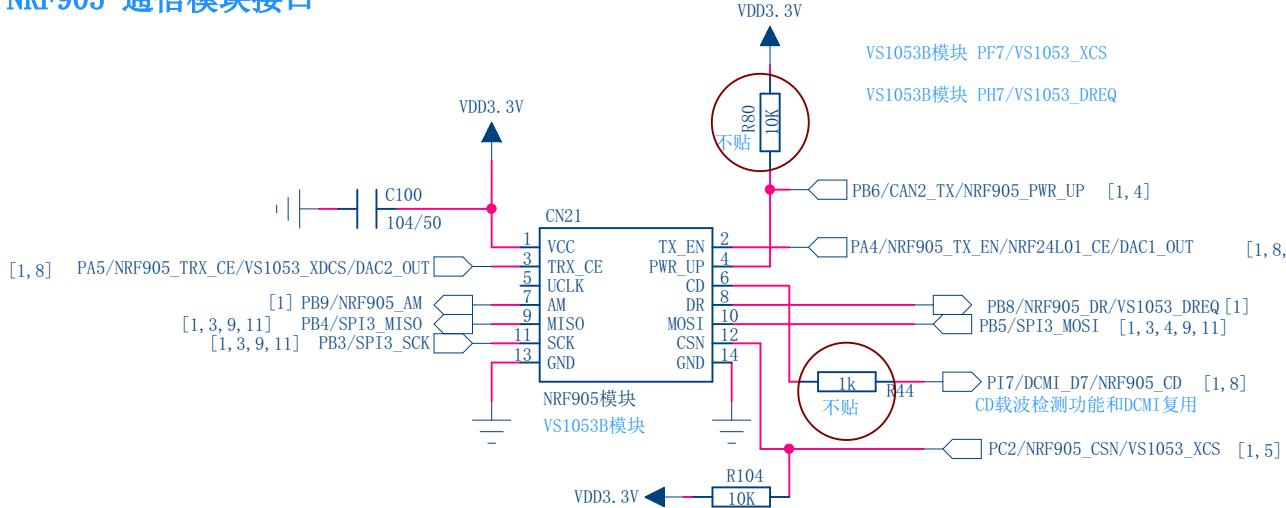
### SDIO WIFI模块接口



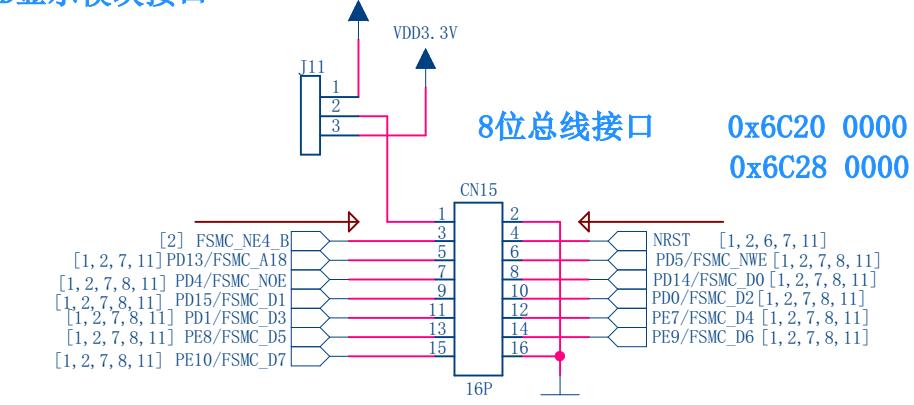
### GPS模块接口



### NRF905 通信模块接口



### OLED显示模块接口



COMPANY:  
安富莱电子 www.armfly.com

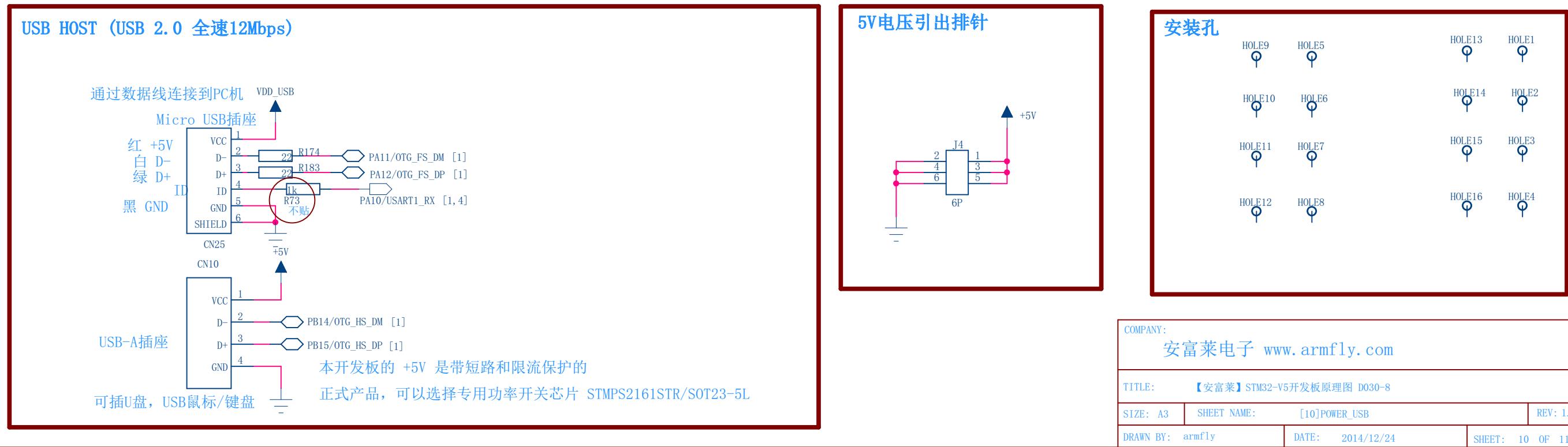
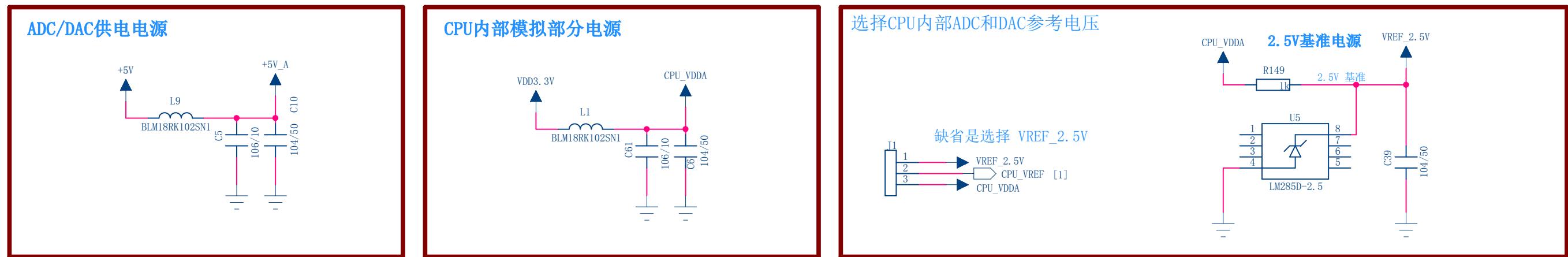
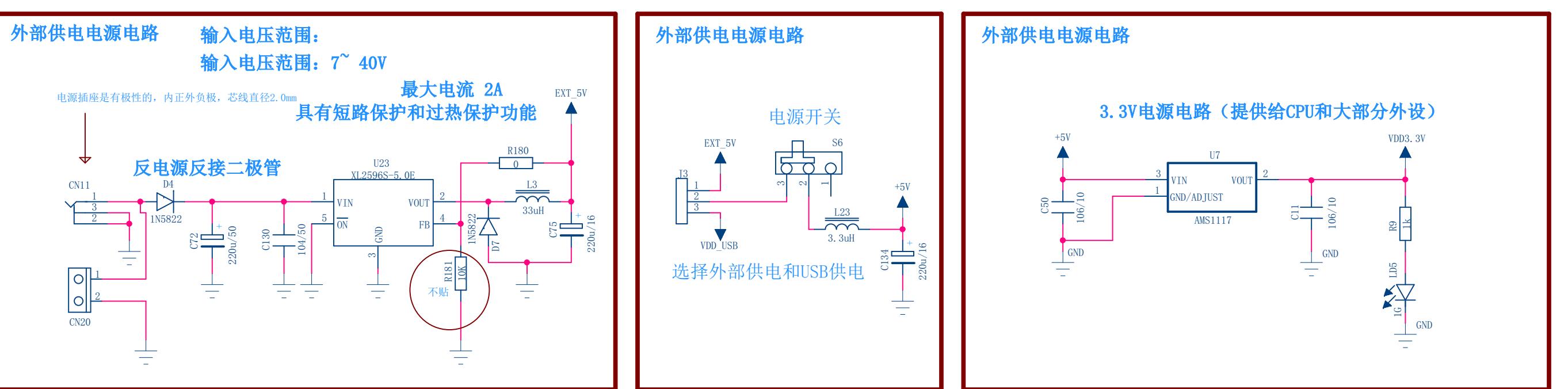
TITLE: 【安富莱】STM32-V5开发板原理图 D030-8

SIZE: A3 SHEET NAME: [9]NRF\_GPS\_WIFI\_GPRS

DRAWN BY: armfly DATE: 2014/12/24

REV: 1.0

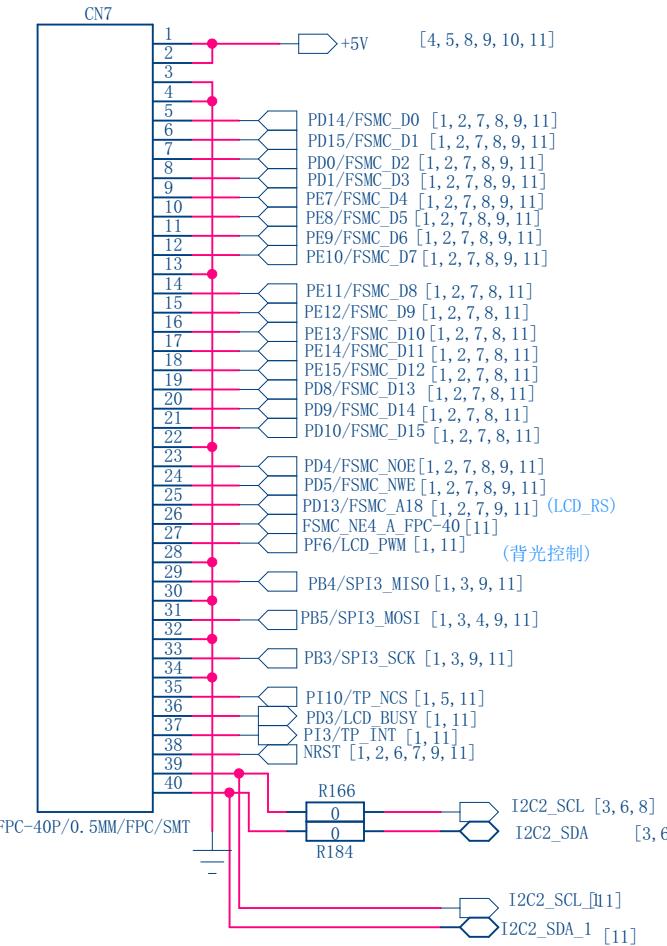
SHEET: 9 OF 11



### TFT LCD接口 (8080-16bit并口)

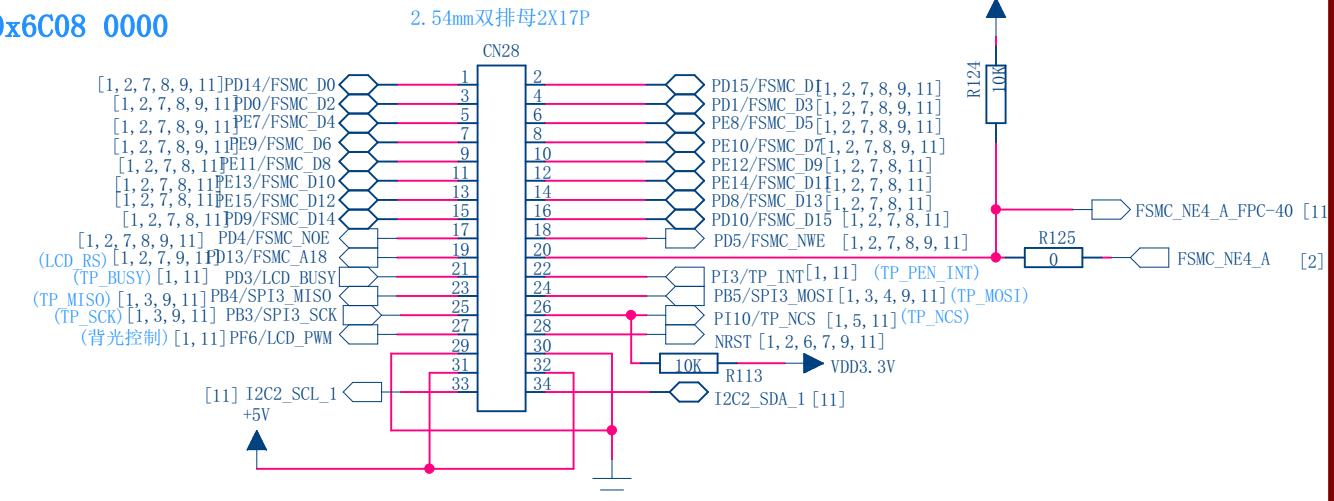
FSMC地址:  
0x6C00 0000  
0x6C08 0000

FPC-0.5-40P下接翻盖FPC插座  
可以用于8080总线接口或SPI接口



### TFT LCD接口 (8080-16bit并口)

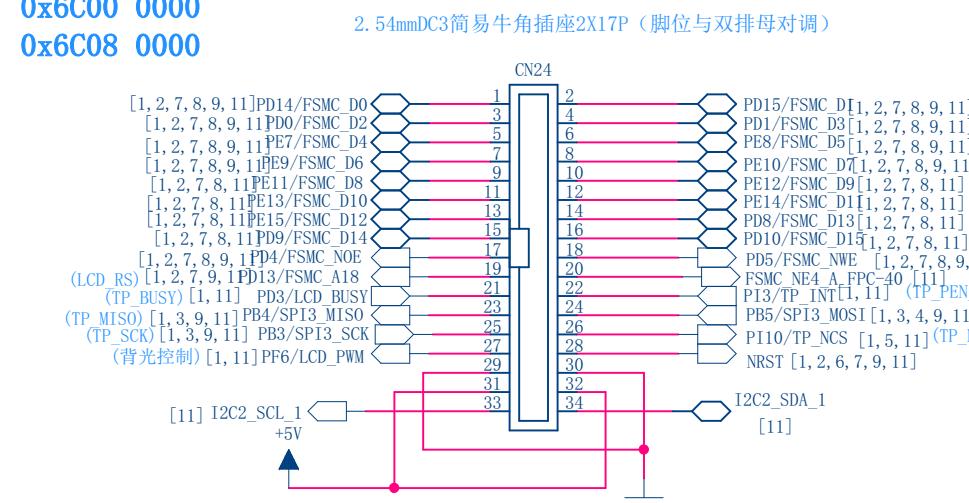
FSMC地址:  
0x6C00 0000  
0x6C08 0000



备注: 33、34脚用于I2C接口的电容触摸芯片。

### TFT LCD接口 (8080-16bit并口)

FSMC地址:  
0x6C00 0000  
0x6C08 0000



备注: 33、34脚用于I2C接口的电容触摸芯片。

COMPANY:

安富莱电子 www.armfly.com

TITLE: 【安富莱】STM32-V5开发板原理图 D030-8

SIZE: A3 SHEET NAME: [11]LCD REV: 1.0

DRAWN BY: armfly DATE: 2014/12/24 SHEET: 11 OF 11