

The values of C1 and C4 vary with the selection of the crystal.

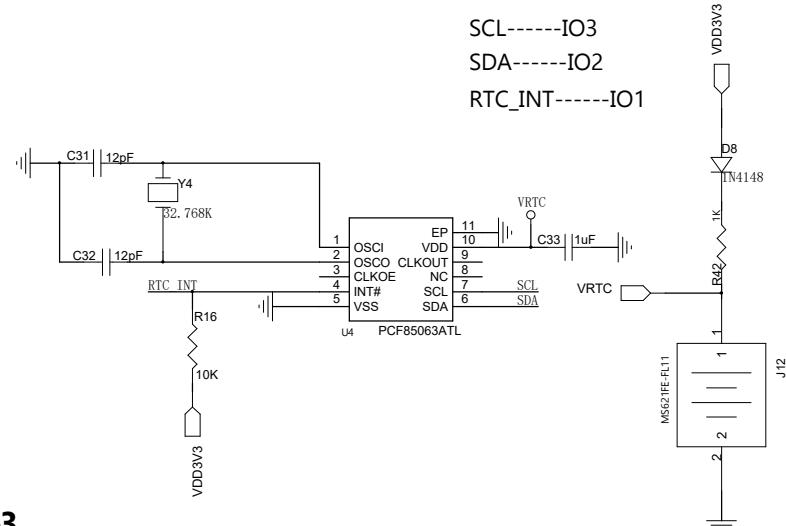
The value of R4 varies with the actual PCB board. The initial value could be 24 nH.

The values of C11, L2 and C12 vary with the actual PCB board.

NC: No component.

10

I2C Address:0x51



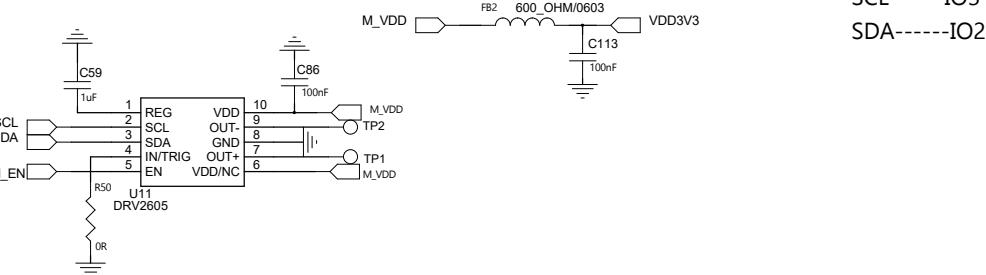
**PCF85063**

Detailed description of the schematic:

- Power Management:** VDD3V3 is connected to pin 24 of U22 through a 10K resistor (R54). Pin 24 is also connected to the SDA and SCL lines via a level shifter (C138) and a 100nF capacitor.
- I2C Interface:** The SDA and SCL lines are connected to pins 19 and 20 of U22, respectively. Pin 19 is also connected to ground through a 100nF capacitor. The SDA line is pulled up by a 4.7k resistor (R58).
- Pin Connections:**
  - Pin 1: P00
  - Pin 2: P01
  - Pin 3: P02
  - Pin 4: P03
  - Pin 5: P04
  - Pin 6: P05
  - Pin 7: P06
  - Pin 8: P07
  - Pin 9: GND
  - Pin 10: P10
  - Pin 11: P11
  - Pin 12: P12
  - Pin 13: P13
  - Pin 14: P15
  - Pin 15: P16
  - Pin 16: P17
  - Pin 17: P18
  - Pin 18: SD\_EN
  - Pin 19: SDA
  - Pin 20: SCL
  - Pin 21: VCC
  - Pin 22: INT
  - Pin 23: A1
  - Pin 24: SHUTDOWN
  - Pin 25: ESD
- External Components:**
  - U22 is connected to LCD\_RST and GPS\_RST through resistors R52 and NC.
  - KEY\_EN, NRF\_CE, and SD\_DET are connected to pin 1 of U22.
  - Pin 12 of U22 is connected to ground.
- Logic:** A logic inverter (MUL\_IN1T) is connected between the SHUTDOWN pin and the SDA line.
- Address:** The I2C address is set to 0x20.

I2C Address:0x20

I2C Address:0x5A



震动马达

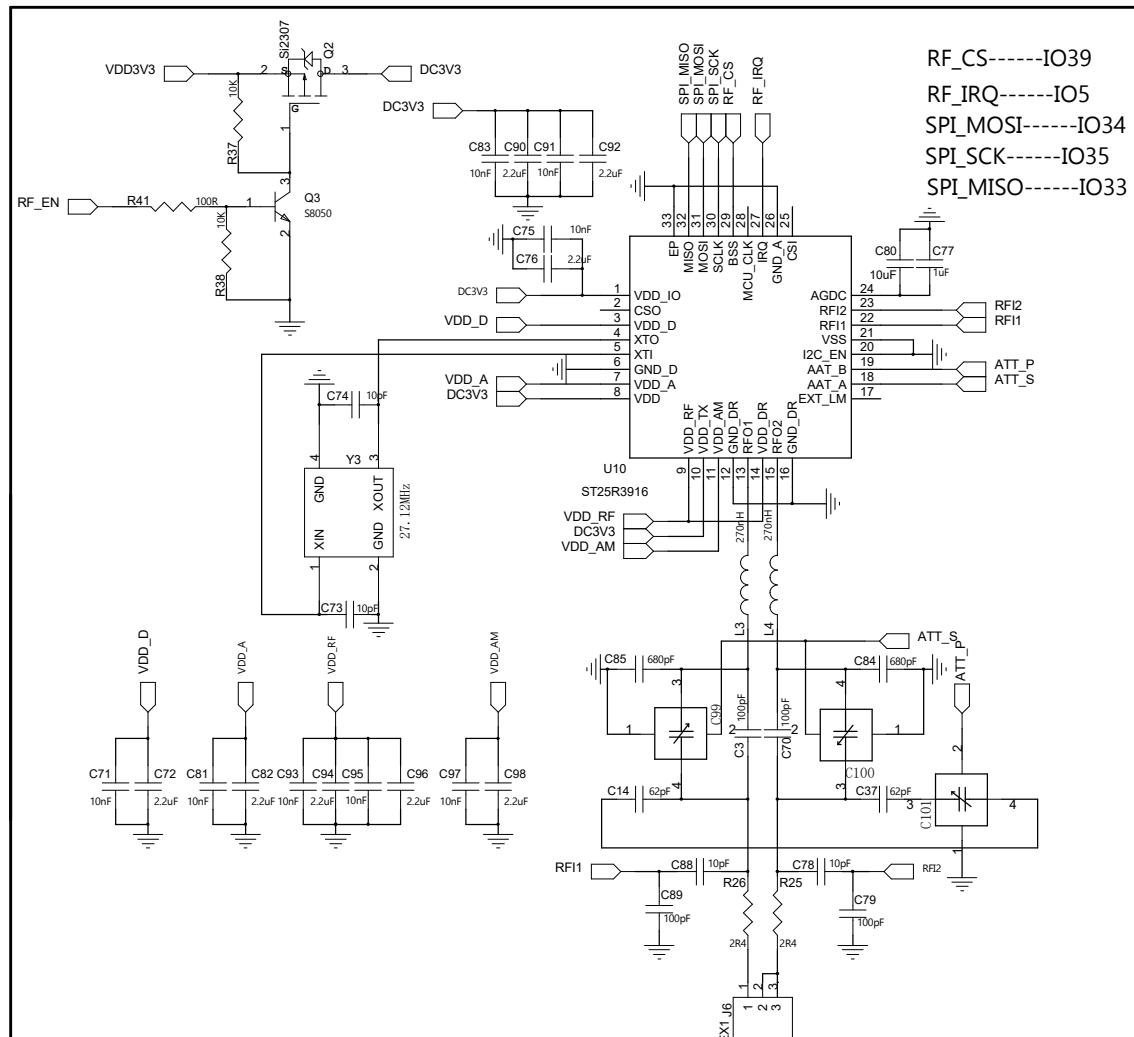
## 陀螺仪

SCL-----IO3

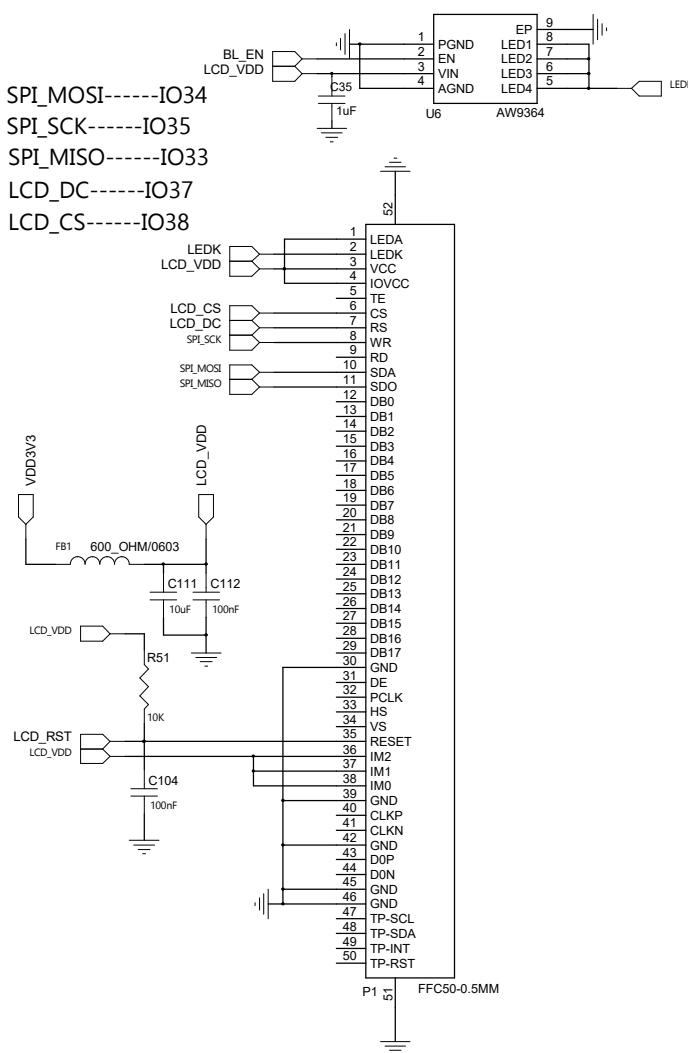
SDA-----IO2

HIRQ-----IO8

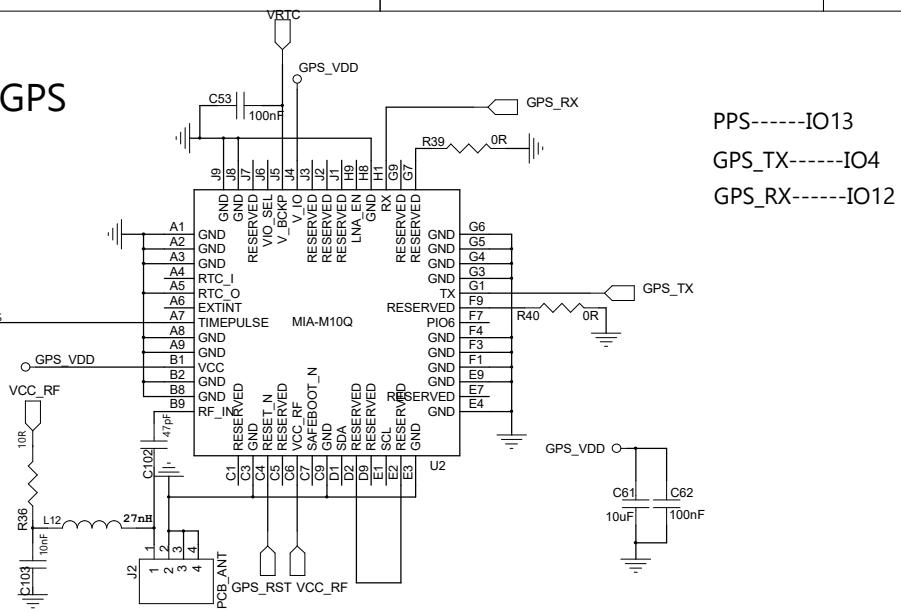
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| Size<br>B | Document Number         |
| Date:     | Friday, January 8, 2024 |



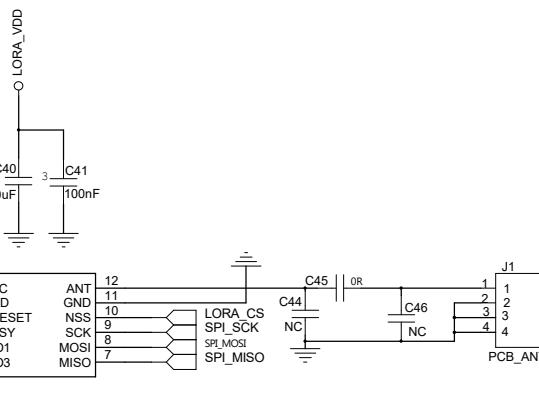
### LCD Connector



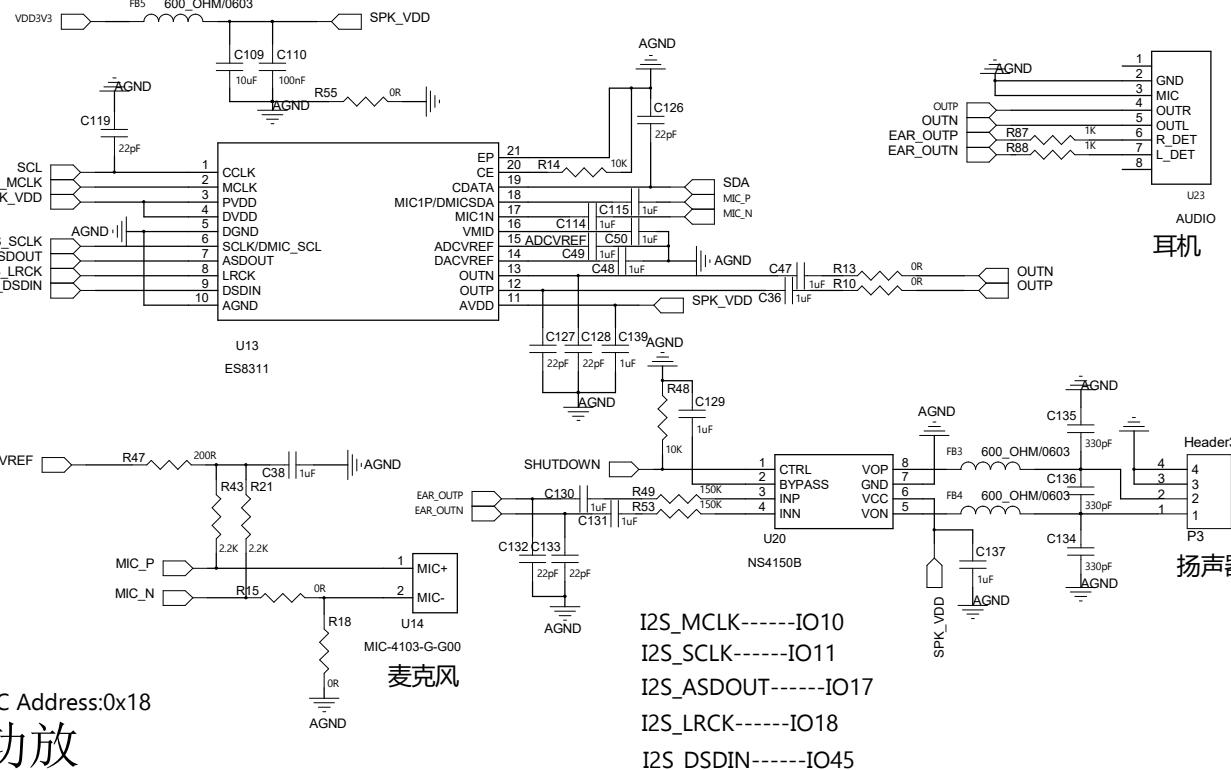
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| Date: Friday, January 8, 2021 | Sheet 4 of 5    |



LORA\_CS-----IO36  
SPI\_MOSI-----IO34  
SPI\_SCK-----IO35  
SPI\_MISO-----IO33  
LORA\_RST-----IO47  
LORA\_BUSY-----IO48  
LORA\_IRQ-----IO14



Lora



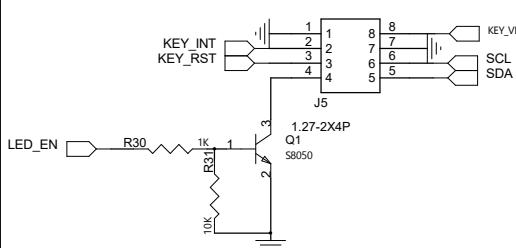
耳机

## 声器

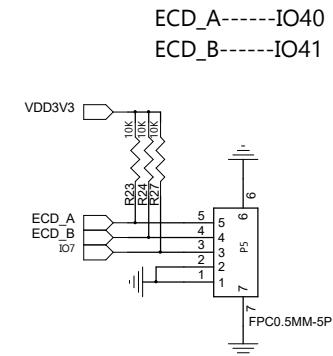
I2S\_MCLK-----IO10  
I2S\_SCLK-----IO11  
I2S\_ASOUT-----IO17  
I2S\_LRCK-----IO18  
I2S\_DSDIN-----IO45

I2C Address:0x18  
功放

I2C Address:0x34  
KEY\_INT-----IO6



外接按键板



外接编码器