## Acho (Mother board) 000F VBAT ST25 GPO 2 VBAT ST25 GPO 2 PC13 OSC32 IN 3 PC14-OSC32 IN OSC 32 OUT 4 PC15-OSC32 OUT OSC OUT 6 PHI-OSC IN PHI-OSC OUT MRST 7 VDD 64 +3.3V VSS 62 LED | GND **Designed By Jasom-wu** OSL NRS1 BAT\_VOTAGE\_ADC8 WM8960 HP ADC 9 TX\_HOLD 10 RX\_HOLD 11 PC2 12 PC3 13 VDDAVREFPA0 OSC\_OUT U2<sub>C5</sub> VDD #60 +3.3V VSS 46 DAP\_SWDIO | GI PA11 45 USB P 144 USB N 143 DAP\_UART\_TX PA10 42 DAP\_UART\_TX PA9 41 USB ENABLE 140 SDIO\_D1 159 SDIO\_D0 SCL SDA USB\_ENABLE VBUS VBUS VBUS U4 P1.6/MISO/RXD1\_/VBUS/AIN6 P1.5/MOSI/PWM0\_/UCC2/AIN5 P1.7/SCK/TXD1\_/AIN7 P1.4/SCS/UCC1/AIN4 P5.7/RST P1.1/T2EX/CAP2/AIN1 P5.7/RST P1.0/T2/CAP1/AIN0 P3.0/RXD P1.0/T2/CAP1/AIN0 P3.1/TXD V33 P3.4/T0 VDD P3.4/T0 P0.5/TXD2/AIN12 P3.4/T0 P0.6/RXD3/AIN14 P0.6/RXD3/AIN14 P0.6/RXD3/AIN14 P0.7/TXD3/AIN14 VX0 P5.0/DM/UDM P5.0/DM/UDM P5.1/DP/UDP P5.1/DP/UDP P6.6/PWM6/RXD1 P2.7/PWM7/TXD1 P2.6/PWM6/RXD1 P2.7/PWM7/TXD1 CH549F DAP UART RX 4 DAP UART TX 5 DAP UART TX 5 DAP UART TX 5 DAP UART TX 5 SUB1 GND 93.1/TXD 6 P3.2/INT0 7 P3.3/INT1 8 P3.4/T0 9 P3.5/T1 10 P4.6/XI 11 X0 12 P2.2/PWM3/INT0 12 P2.4/PWM1/T2\_/CAP1 14 P2.6/PWM6/RXD1 SUB2 B8 GND GND 拼板的高亮LED模块 GND DN1 LED1 U U U PWM USB烧录固件后拆下 V\_CHARGE LED3 PROG GND CHRG STDBY ESP32调试口下载&信息打印 V\_CHARGE VCC BAT BS=LOW: 4-line-SPI Ę GND SI1308EDL-T1-GE3 V\_CHARGE D1 SS34-A CD DAT1 DATO VSS C22 4 7nF D4 4.7uF D. MBR0530 H5 MBR05 SDIO\_CLK CLK VDD CMD GND | 8 AO3401 U12 R2447K VIN CD/DAT3 DAT2 USB\_DETECT CE GND C30 C31 C32 C33 GND 를 GND R25 47K U20 BX-SH1.0-2PWT GND BAT\_VOTAGE\_ADC | WM8960 | I2C | SDA | | I2C | SDA | | I2C | SDA | I2C | SCL | VDD | I2S | DAT | VCC | SDA | I2S | BCLK | I2S | I2 VCC L2 D6 T4.7uH-INDUCTOR-0603 DSS14 Layout Consideration For best performance of the SX1308, the following 0 NC SW 2 VIN GND 3 EN FB SPK\_EN 10K 4 EN R29 Acho音频模块接口