Renesas IoT

Revision A01

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框架说明

Renesas IoT 开发板总体上由以下功能模块构成

01 存储部分,通用TF卡接口

02 存储部分, 板载64M QSPI-FLASH

03 5V电源输入,通过降压电路降为3.3V,为整个开发板供电

04 电源指示灯

05 E53接口,遵循物联网俱乐部E53接口标准而设计,为开发者提供快捷的案例扩展方式

PMOD接口,包含PMODA和PMODB两个扩展接口

07 主控部分, 为整个开发板的核心, 相当于整个开发板的大脑

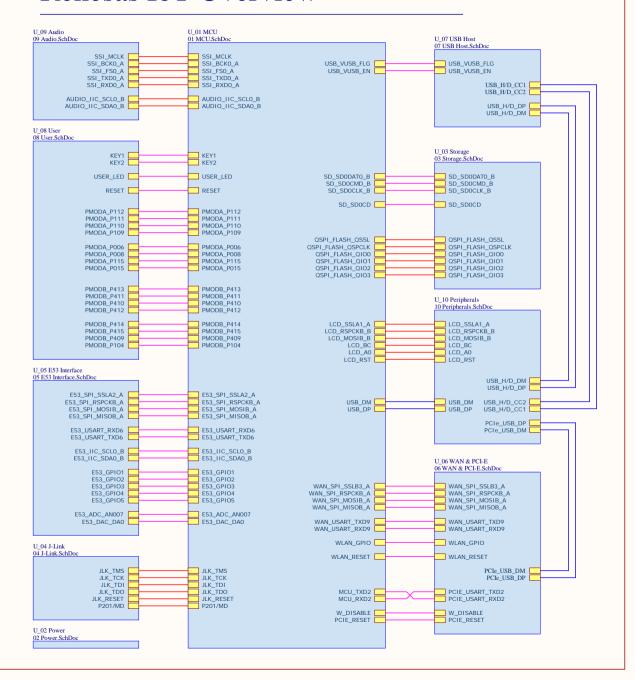
08 用户按键部分,包含两个用户按键,方便开发者进行二次开发

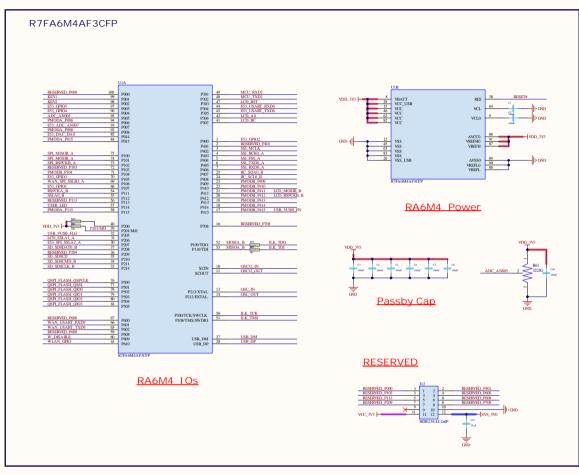
09 复位按键,可对开发板进行复位

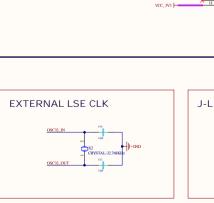
10 WAN接口,同样遵循物联网俱乐部WAN网络接口标准而设计,为开发者提供快捷的通讯扩展方式

11 板载J-Link,为用户烧录、下载、仿真程序提供一个快捷的方式

Renesas IoT Overview



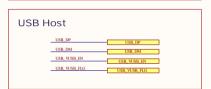




EXTERNAL HSE CLK

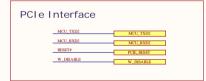






SD_SD0CLK_B SD_SD0CLK_B

SD_SD0CD



| Audic |) | | |
|-------|------------|------------------|-----|
| | SSI_RXD0_A | SSI RXD0 A | ı |
| | SSI_TXD0_A | SSI_TXD0_A | |
| | SSI_FS0_A | SSI_FS0_A | |
| | SSI_BCK0_A | SSI_BCK0_A | |
| | SSI_MCLK | SSI_MCLK | l . |
| | IIC_SDA0_B | AUDIO_IIC_SDA0_B | I |
| | IIC_SCL0_B | AUDIO_IIC_SCL0_B | |
| | | | |

| External LCD | | | | |
|------------------------|--------------|--|--|--|
| LCD_RST LCD_SSIA1_A | LCD_RST | | | |
| LCD_A0 | LCD_SSLA1_A | | | |
| LCD_MOSIB_B | LCD_MOSIB_B | | | |
| LCD_RSPCKB_B LCD_BC | LCD_RSPCKB_B | | | |
| | | | | |

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| NAN | Interface | |
|-----|----------------------------|----------------------------------|
| | WLAN GPIO | |
| | WAN_SPI_SSLB3_A | WLAN_GPIO WAN_SPI_SSLB3_A |
| | SPI_RSPCKB_A | WAN_SPI_RSPCKB_A |
| | SPI_MOSIB_A SPI_MISOB_A | WAN_SPI_MOSIB_A WAN_SPI_MISOB_A |
| | WAN_USART_TXD9 | WAN_USART_TXD9 |
| | WAN_USART_RXD9 RESET# | WAN_USART_RXD9 |
| | REDIE W | WLAN_RESET |

