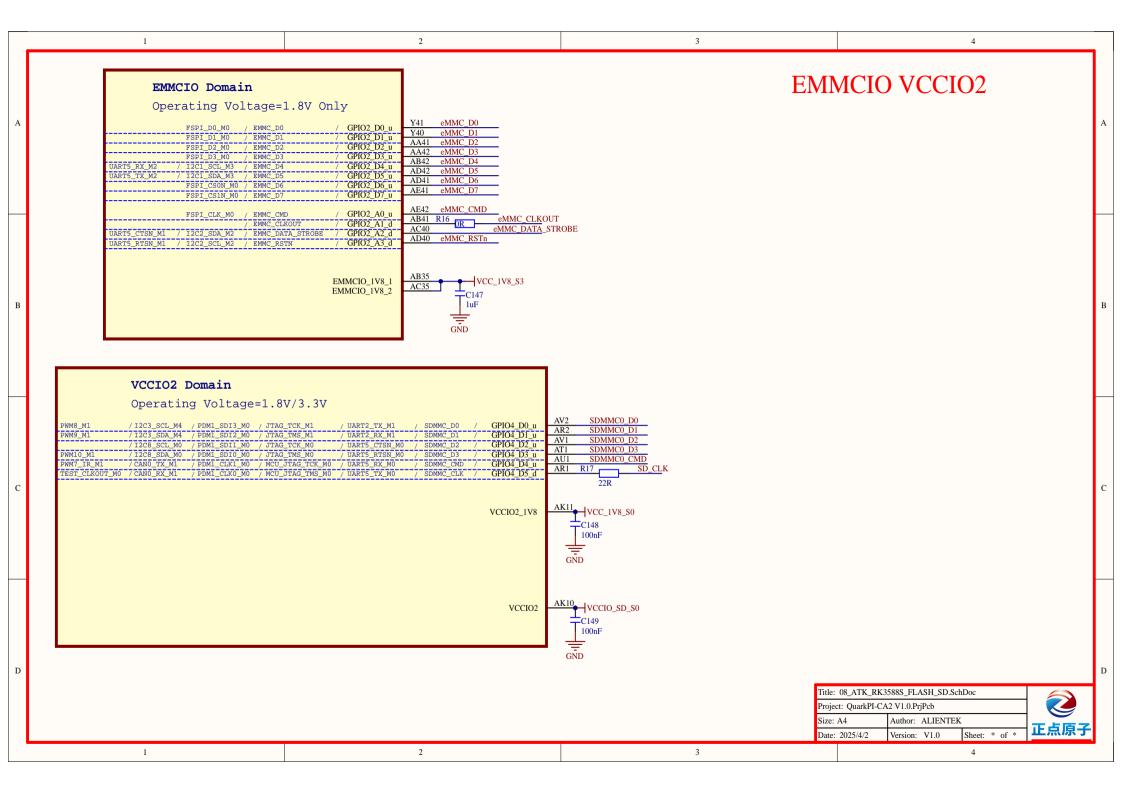
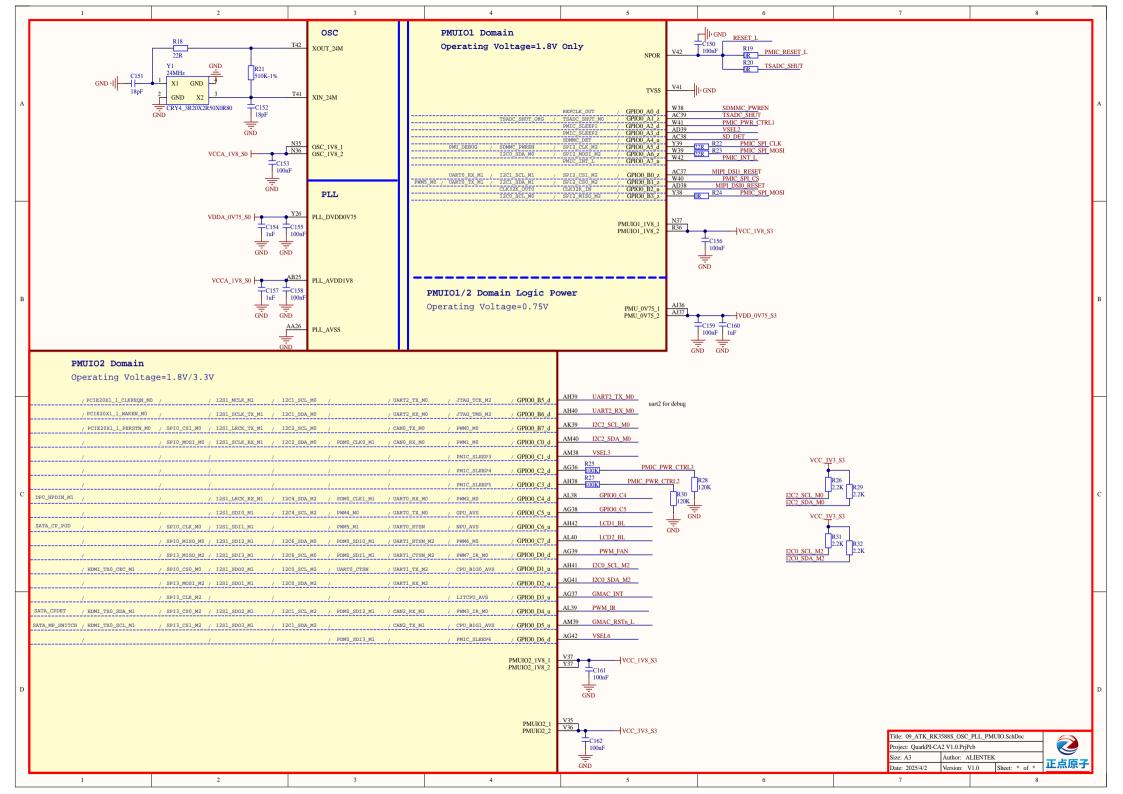
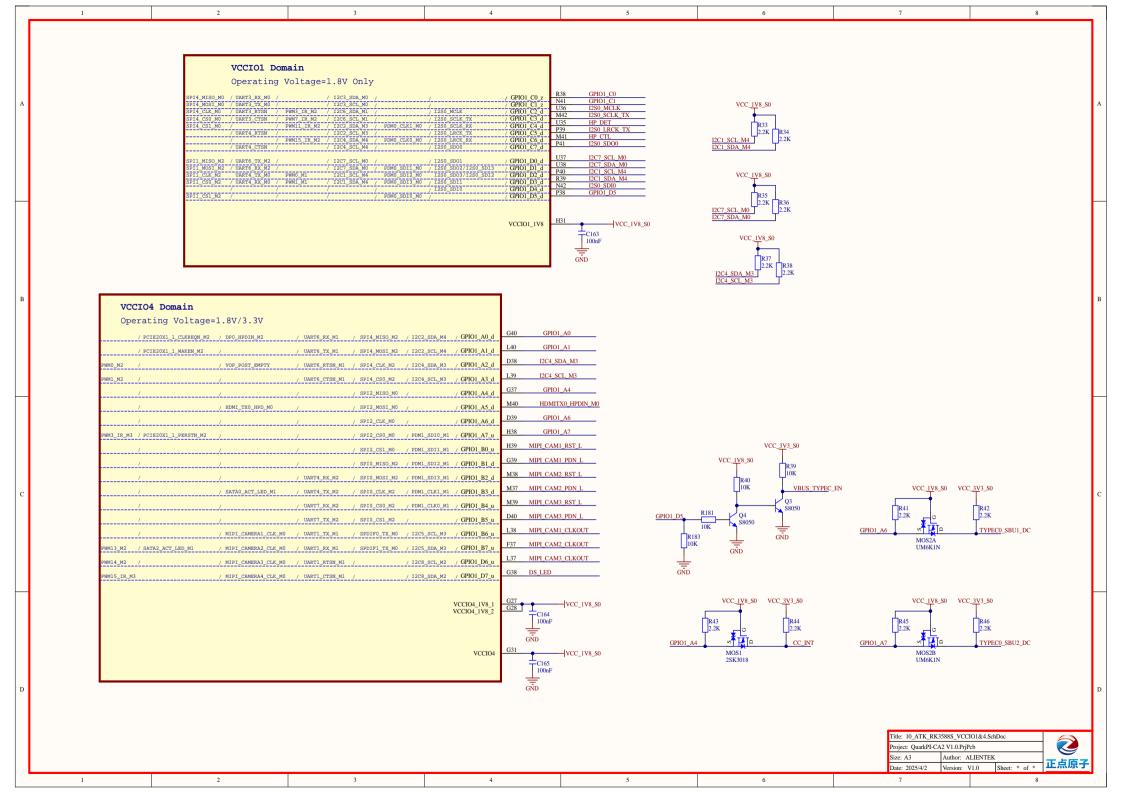
**Revision History** By **Change Dsecription** Version **Date** V1.0 2025-4-9 lijian 1:Initial release version Title: 01\_ATK\_RK3588S\_ReviSion\_History.SchDoc Project: QuarkPI-CA2 V1.0.PrjPcb Author: ALIENTEK Size: A4 Version: V1.0 Sheet: \* of \* Date: 2025/4/2









Author: ALIENTEK Size: A3 正点原子 Version: V1.0 

1 2 3 VCCIO6 VCCIO6 Domain Operating Voltage=1.8V/3.3V GPIO4 A0 BT1120\_D0 / CIF\_D0 / I2S1\_MCLK\_M0 / UART9\_RTSN\_M1 / SPIO\_MISO\_M1 / PCIE20X1\_1\_CLKREQN\_M1 / GPIO4 A0 d AW18 GPIO4 A1 BT1120\_D1 / CIF\_D1 / I2S1\_SCLK\_TX\_M0 PCIE20X1\_1\_WAKEN\_M1 GPIO4\_A1\_d / UART9\_CTSN\_M1 SPIO\_MOSI\_M1 GPIO4\_A2 AV26 / CIF\_D2 GPIO4\_A2\_d BT1120\_D2 / I2S1\_LRCK\_TX\_M0 SPI0\_CLK\_M1 PCIE20X1\_1\_PERSTN\_M1 AY19 GPIO4 A3 BT1120\_D3 / CIF\_D3 / I2S1\_SCLK\_RX\_M0 / UARTO\_TX\_M2 GPIO4\_A3\_d AW19 GPIO4 A4 / I2S1\_LRCK\_RX\_M0 GPIO4\_A4\_d BT1120\_D4 / CIF\_D4 / UARTO\_RX\_M2 SPI2\_MISO\_M1 / I2C3\_SCL\_M2 AU15 GPIO4\_A5 GPIO4\_A5\_d BT1120\_D5 / CIF\_D5 / I2S1\_SDI0\_M0 UART3\_TX\_M2 SPI2\_MOSI\_M1 I2C3\_SDA\_M2 AV18 I2C5\_SCL\_M2 BT1120\_D6 CIF\_D6 GPIO4\_A6\_d / I2S1\_SDI1\_M0 AW26 I2C5 SDA M2 / I2S1\_SDI2\_M0 BT1120\_D7 / CIF\_D7 SPI2\_CS0\_M1 I2C5 SDA M2 / GPIO4\_A7\_d AW27 GPIO4 B0 / GPIO4\_B0\_d BT1120\_CLKOUT / CIF\_CLKIN / I2S1\_SDI3\_M0 / UART8\_TX\_M0 I2C6\_SDA\_M3 SPI2\_CS1\_M1 GPIO4 B1 / SATA2\_ACT\_LED\_M0 GPIO4\_B1\_u MIPI\_CAMERAO\_CLK\_MO / I2S1\_SDO0\_M0 / UART8\_RX\_MO SPIO\_CS1\_M1 I2C6\_SCL\_M3 AT15 GPIO4 B2 / GPIO4\_B2\_u CAN1\_RX\_M1 / BT1120\_D8 / PWM14\_M1 / I2S1\_SDO1\_M0 UART8\_RTSN\_MC SPIO\_CSO\_M1 I2C7\_SCL\_M3 AV23 GPIO4\_B3 CAN1\_TX\_M1 / BT1120\_D9 / PWM15\_IR\_M1 / PCIE20X1\_2\_BUTTON\_RSTN / GPIO4\_B3\_u / CIF\_VSYNC / I2S1\_SDO2\_M0 / UART8\_CTSN\_MC I2C7\_SDA\_M3 AV27 GPIO4\_B4 BT1120\_D10 / CIF CLKOUT / PWM11\_IR\_M1 / I2S1\_SDO3\_M0 / UART9\_TX\_M1 GPIO4\_B4\_u AU23 GPIO4 B5 GPIO4\_B5\_d BT1120\_D11 / PWM12\_M1 UART9\_RX\_M1 SPI3\_MISO\_M1 HDMI0 TX ON H GPIO4\_B6\_d BT1120\_D12 / PWM13\_M1 SPI3\_MOSI\_M1 I2C5\_SCL\_M1 / SATAO\_ACT\_LED\_MO HDMITX0 SCL M0 BT1120\_D13 / GPIO4\_B7\_u / HDMI\_TX0\_SCL\_M0 SPI3\_CLK\_M1 I2C5\_SDA\_M1 / PCIE20X1\_2\_CLKREQN\_M1 AW23 HDMITX0\_SDA\_M0 BT1120\_D14 GPIO4\_C0\_u / HDMI\_TX0\_SDA\_MO SPI3\_CS0\_M1 I2C8\_SCL\_M3 / PCIE20X1\_2\_WAKEN\_M1 HDMITX0\_CEC\_M0 BT1120\_D15 GPIO4\_C1\_d / SPDIF1\_TX\_M2 / PWM6\_M1 / HDMI\_TX0\_CEC\_M0 SPI3\_CS1\_M1 / I2C8\_SDA\_M3 / PCIE20X1\_2\_PERSTN\_M1 Note: -VCC 1V8 S0 VCCIO6\_1V8 BT1120 Only Support Output 100nF VCCIO6 1 GND VCCIO6\_2 VCC\_3V3\_S0 100nF Title: 12\_ATK\_RK3588S\_VCCIO6.SchDoc Project: QuarkPI-CA2 V1.0.PrjPcb Author: ALIENTEK Size: A4 Sheet: \* of \* Date: 2025/4/2 Version: V1.0 3

