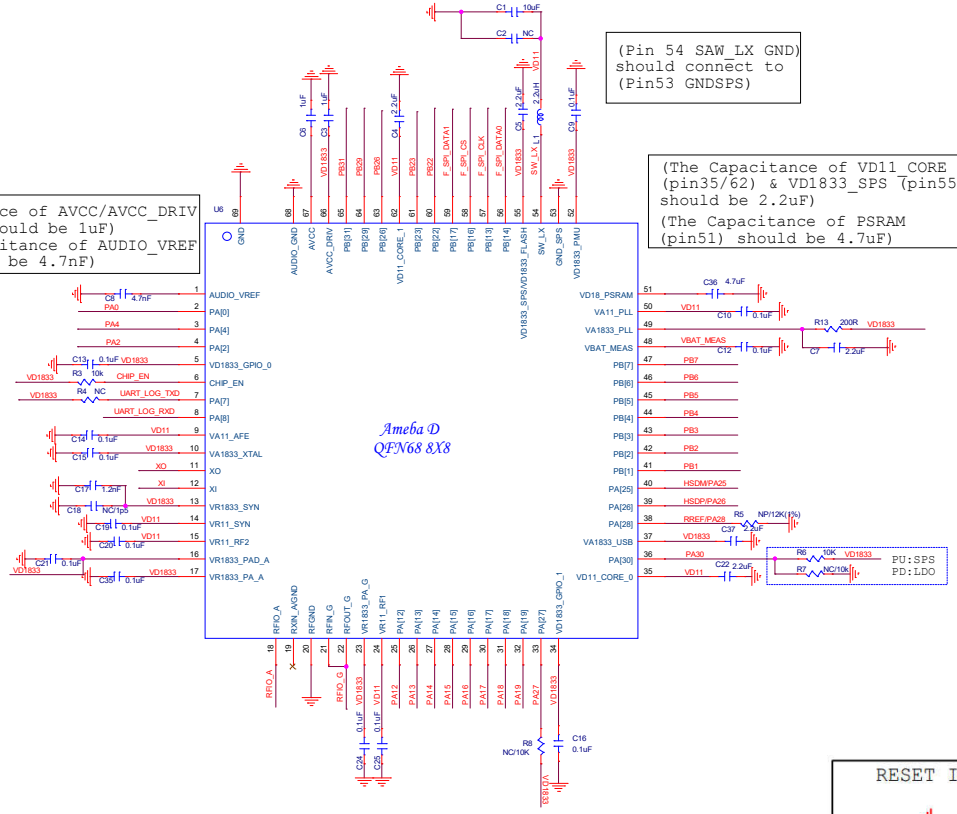
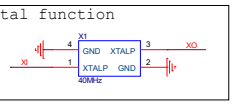
(Pin 54 SAW_LX GND) should connect to (Pin53 GNDSPS)

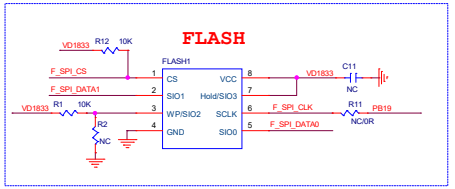
(The Capacitance of VD11_CORE (pin35/62) & VD1833_SPS (pin55) should be 2.2uF)
(The Capacitance of PSRAM (pin51) should be 4.7uF)

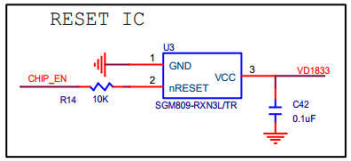
(The Capacitance of AVCC/AVCC_DRIV (pin66/67) should be 1uF)
(The Capacitance of AUDIO_VREF (pin1) should be 4.7nF)

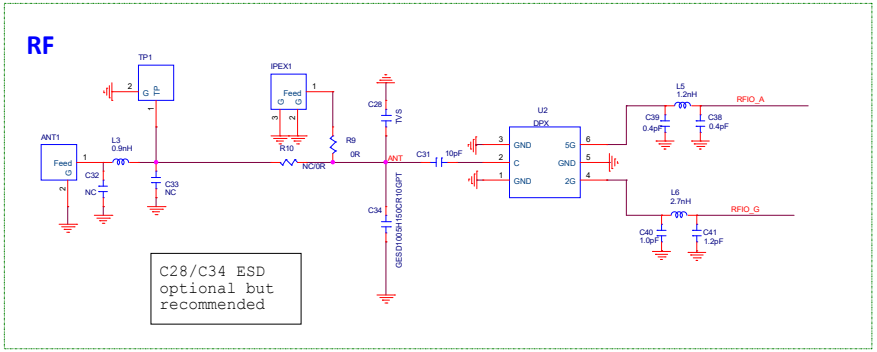
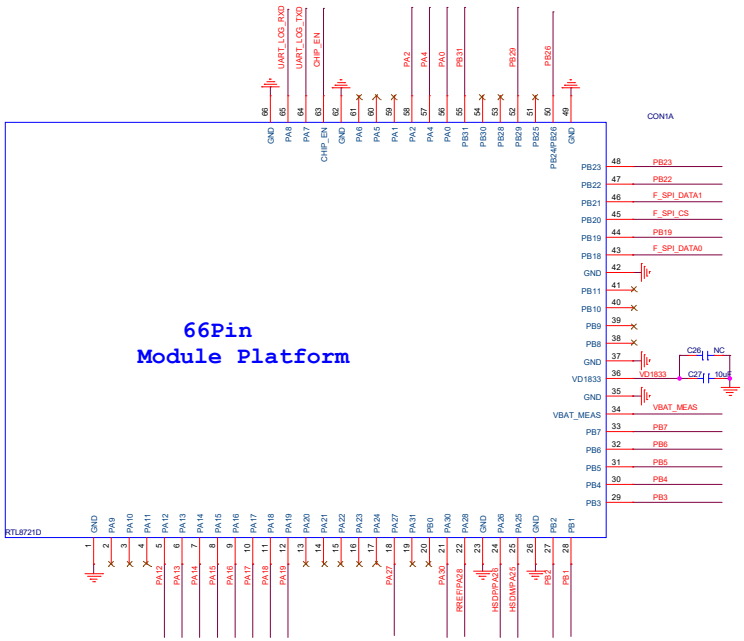


Xtal function







For 3.3V application, if the power up slew rate from 1.5V to 3.0V is slower than 15ms, The wide range vcc Flash is needed or add reset IC.

In the process of power off to power on, if the power off voltage can't be guaranteed to drop below 0.3v and power on again, reset IC should be added