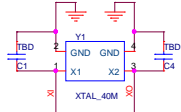


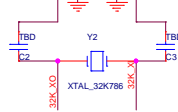
40MHz Xtal spec is in rBom
C1/C4 should be fine tuned
or not be SMT, please see
more detail in hardware
instruction.



40MHz 晶振电容设定
请参考硬件手册说明

可选电路

External 32.768KHz XTAL(optional)
If crystal CL=7pF,
the two external load capacitors
could be ignored
如果使用CL=7pF的晶振, 可以不用外部电容



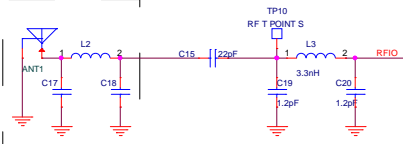
C9 C43 GND VIAS
must keep away from
C10, C14, C16, C21's
GND VIAS to avoid RF
noise.

C9 C43的GND过孔必须
远离C10, C14, C16, C21
的GND过孔。避免干扰RF

Depending on
antenna design,
this
pi-matching is
decided by
customer

C15 must be
placed
for DC
Blocking RFIO
would be
damaged if it
is short to Vcc

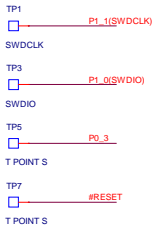
RF matching
component
should not be
welded separately
损坏, 需要C15
做隔值保护



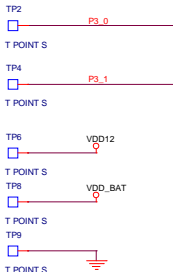
天线部分pi matching
需要天线厂商根据
天线特性作调整

RF pi matching
电路不得只
SMT部分元件

SWD 测试点
Test Point for SWD

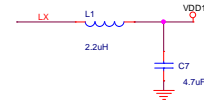


P3_0, P3_1为量产UART 接口, 复用需谨慎
P3_0, P3_1 is UART interface for
MP and BLE certification

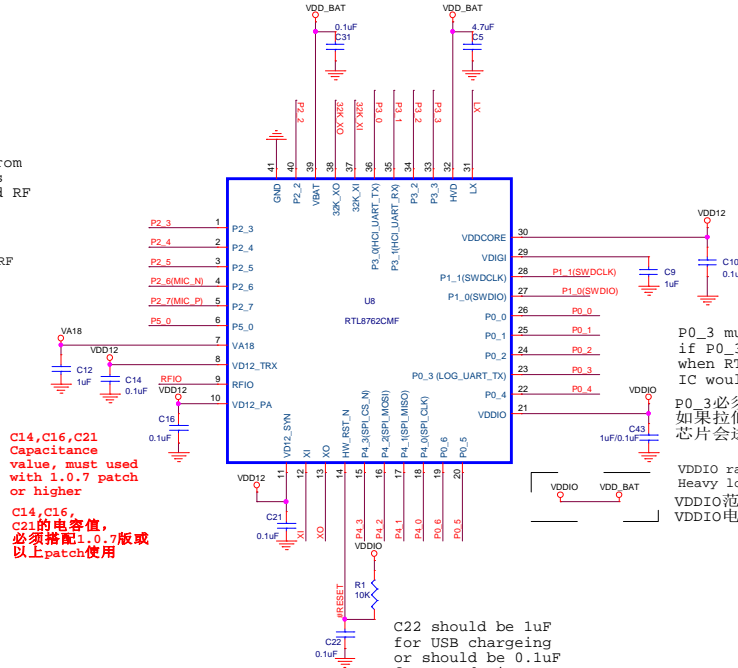


L1, C7 用料规格请
严格按照rBom 中的值。
也可使用2.2uH+4.7uF的组合

L1, C7 are critical
components. Their spec
must follow requirements
in rBom



VBAT range is 1.8-3.3V



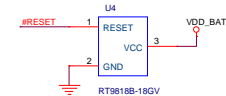
C14, C16, C21
Capacitance
value, must used
with 1.0.7 patch
or higher
C14, C16,
C21的电容值,
必须搭配1.0.7版或
以上patch使用

C22 should be 1uF
for USB charging
or should be 0.1uF
for RCU design
C22可以选择不同大小,
调节reset 灵敏度

Optional 可选电路



Optional Circuit for Reverse
Current Protection with
Schottky Diode.
防逆电压电路



open drain type reset IC
复位芯片

P0_3 must be NC.
if P0_3 input low level,
when RTL8762C power up,
IC would bypass flash code.

P0_3必须NC。
如果拉低P0_3后上电,
芯片会进入bypass flash 模式

VDDIO range is 1.8V <= VDDIO <= VBAT.
Heavy loading on I/Os need 1uF decouple.
VDDIO范围: 1.8<=VDDIO<=VBAT
VDDIO电容视IO负载轻重选择

Key Component P/N And QVL

Reference	Package	PartNumber	QVL
L1	L2520	ZADK-252012SB-4R7M	Zenthi Tek
	L0603	ZWP-0603-4R7KC	Zenthi Tek
	L-L3WB	NRH3010T4R7M	TAIYO YUDEN
L3	L0402	HL1005-series	ACX
	L0402	HL1005-FH3N3S	TOKO
	L0402	XTL571150-R53-026	Siward
Y1	3225type	TZ0308D	TST
	2520type	XTL581150-R53-027	Siward
	2520type	TZ0733E	TST
	2016type	XTL501150-R53-028	Siward
	1612type	TZ1209C	TST
	1612type	XTL901150-R53-029	Siward
Y2	3215type	XTL721-S349-005	Siward
	3215type	TZ1166B	TST
	2016type	XTL741-S999-426	Siward
		8HD3290006	TXC