

## PMIC : TPS6521905

- \* VSYS : 2.5V ~ 5.5V
- \* VSYS : Charger-IC -> PMIC

### \* Using LDO-1

- requires PVIN\_LDO1 = 3.3V?

- GPS Power 3.3V

- Our system : Not used SD-CARD

### \* Sheet-1 : External pull-up resistor

### \* Request :

We want : DUT Power ON/OFF KEY

### \* Configured PB : Push-button

PMIC-ON : Active"L" 600ms  
PMIC-OFF : Active"L" 8s

NRSTOUT : PMIC -> SOC RESET

NINT : Interrupt Request out, PMIC -> SOC

MODE/STBY : "H" Forced-PWM, "L" auto-PFM

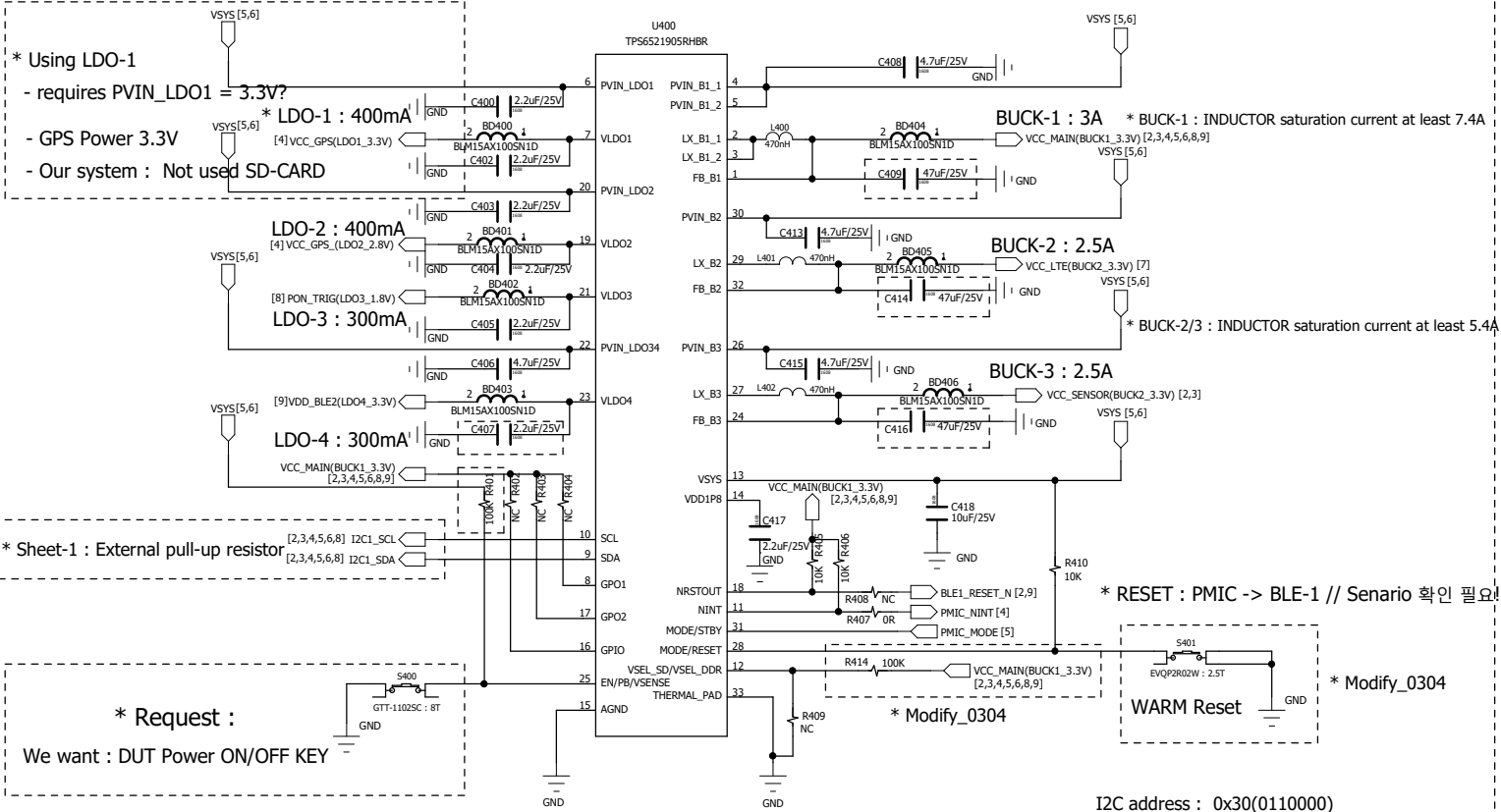
MODE/RESET : SOC -> PMIC RESET

VSEL\_SD/VSEL\_DDR :

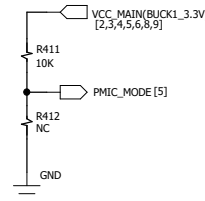
### \* EMI NOISE SUPPRESSION

BLM15AX100SN1 : 30MHz ~ // 1005

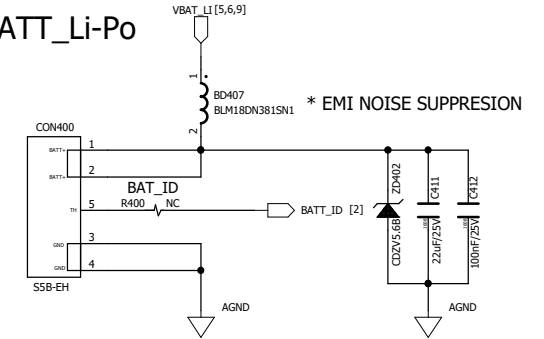
BLM15AX100SN1 : 100MHz ~ // 1608



I2C address : 0x30(0110000)



## BATT\_Li-Po



Size: 9.5 x 55 x 67mm(3.7V/3000mAh/1C)

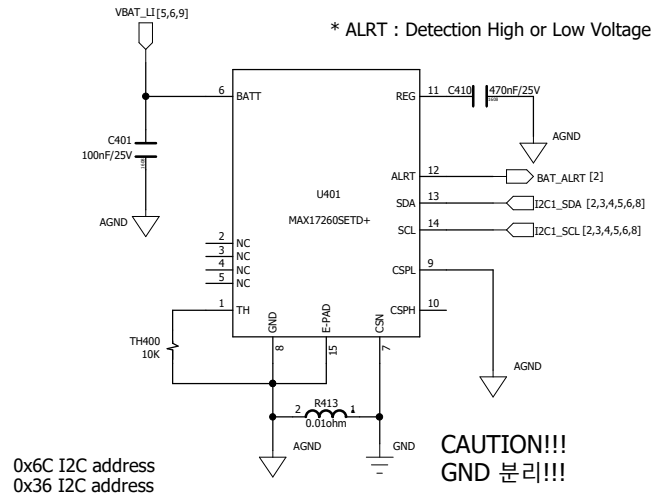
Size: 9.5 x 55 x 67mm(3.7V/5000mAh)

Size: 9.5 x 55 x 67mm(3.7V/7000mAh)

BAT 단자 5P : 1.25Pitch Right-angle SMD

BAT\_ID : BAT 사양 CHECK!!!

## FUEL\_GAUGE



0x6C I2C address  
0x36 I2C address

CAUTION!!!  
GND 분리!!!

|              |                                |         |
|--------------|--------------------------------|---------|
| MODEL        | OTQ N3                         | Willlog |
| Sheet Name   | 4_PM_IC/BATTERY                |         |
| File Name    | OT_N3_LS_Main_Rev00_240304.sch |         |
| Revision     | 0.0                            |         |
| Release Date | 2024-03-04                     |         |
| Drawn by     |                                | 5 of 9  |