# WT100CR OPERATION THEROY

**WT100CR**

TouchPAD

3.3V

POWER          MCU          RF

BT1
3V

GND

KeyPAD
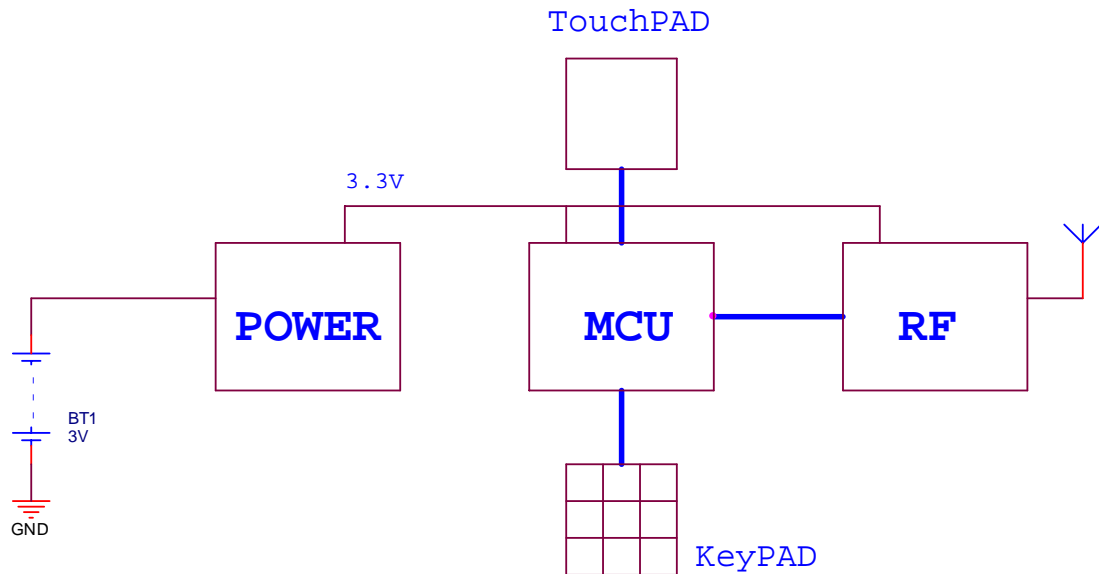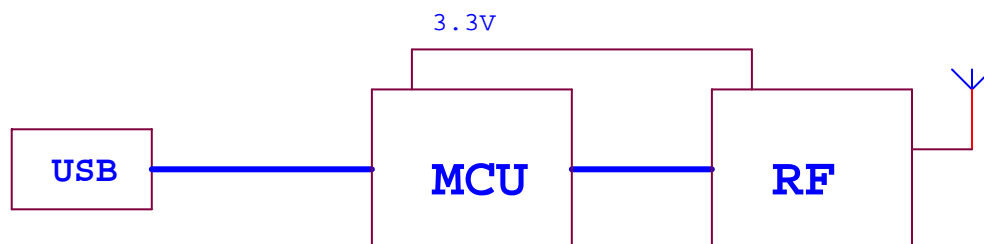
1. WT100CR use two AA size battery, the power module rise voltage 3V to 3.3V
2. Power up, MCU initial RF IC, touchpad and set RF channel to default
3. RF channel from 0 – 79, frequency from 2401MHz to 2480MHz
4. MCU scan keypad and check RF receiver
5. if found have key pressed or have touch on touchpad MCU convert analog signal to Digital and then transfer to RF IC
6. if not any touch or key pressed for 20 seconds, the MCU will go into power-down, until any key or touch

**USB100**

3.3V

USB          MCU          RF

1. USB100 power from USB bus 5V
2. MCU build a 3.3V regulator output, this output support RF IC power
3. Power up, MCU initial RF IC and set RF channel to default
4. Initial USB work on keyboard/mouse device
5. MCU always check RF IC have any data in
6. If MCU found data in, MCU load data and transfer this data to PC by USB