Scale Module

sensor → MCU

LDO → MCU

Battery Box

DATA

POWER

Comunication Module

8MHz oscillator

32.768KHz oscillator

MCU

LDO

EEPROM

MCU SYSTEM

DATA

POWER

16MHz oscillator

ROM
RAM
USB1.1
POWER
2.4G Raido

Bluetooth module

Center frequency 2.4GHz antenna for transmitting signal

RF ANT

MFI CP

iOS Device APP

SCALE

Theory of operation : SCALE MODULE Measured the body weight data, and then send the data to the communication module via UART ,the MCU of the communication module Send the data through the Bluetooth module to the iOS device, at the same time ,these data are stored into the EEPROM.