Operational description:

1) The thermistor is used in combination with the ADC of the PIC16F913 to detect temperature.
2) PIC16F913 will transmit data (eg, Tag ID, temperature) through RF transceiver (nRF905)
3) LED will blink if the tag is on.
4) When microcontroller is running, internal oscillator 4MHz will operate.
5) Crystal 32.768 KHz will keep on running when PIC16F913 in sleep mode and wake up the microcontroller periodically.
6) Infrared Emitter and Receiver is to on/off the thermoSensor by "SmartSwitch".