

## Circuit Description

Model: ST-242

- a. The U4, D2 circuit for adjusting voltage is used for supplying enough voltage to MCU, optical sensor, and RF circuit.
- b. The function of MCU SH68P090 is used for gathering signal produced by optical sensor ADNS5090 and key operation and transmitting the signal to RF circuit formed by U1-BK2423, Y1 and other electronic components to modulate, amplify and send out via antenna.
- c. The RF signal of 2402-2477MHz is generated by BK2423, a crystal of 12MHz as base clock signal of the BK2423.

### Antenna Specification:

Type of Antenna: PCB Antenna

Frequency Range: 2400-2483.5MHz

Maximum Gain: -0.55 dBi

Impedance: 50 ohm

Size: 11mm x 5.5mm

### Antenna View

