# Remote controller Technical Description

| Description | Function | Component |
|---|---|---|
| MCU | 信号处理，功能控制<br>signal processing, function controls | IC1<br>HT49RA1 |
| Fs 震荡电路<br>Fs oscillator circuit | 产生 4MHz 频率时钟信号<br>Generate 4MHz clock signal frequency | C5 ,R1 |
| Fc 震荡电路<br>Fc oscillator circuit | 产生 32.768kHz 频率时钟信号<br>Generate 32.768kHz clock signal frequency | YI，C3，C4 |
| 震荡电路（射频模块上）<br>oscillator circuit | 产生 16MHz 频率时钟信号<br>Generate 16MHz clock signal frequency | Y1(on RF module),<br>C14,C15 |
| 2.44G 射频模块<br>2.44G RF module | 依据单片机指令发送无线信号，将接收到的无线数据传回 MCU 处理<br>send out RF signal based on the command of singlechip, transmit the RF data to MCU | MD7105 |
| 射频模块上的 IC<br>IC on RF module | 处理接收与发送无线数据<br>Receiving and sending RF data | U1<br>A7105PKG |
| 显示电路<br>display circuit | 显示时间、温度及工作状态<br>show the status of time、temperature and operation | LCD19 |
| 按键<br>button | 执行相应功能<br>perform relevant function | S1-S7 |

Type of modulation: GFSK modulation.
The EUT Antenna Type: internal integrated antenna.