

SWP-36288 H/S Action Theory

Power supply: battery power is DC3.6V, by IC (UP1) adjusted the power to system needed power supply DC3.3V and MCU 1 working voltage; RF module power supply is supplied by battery directly. Dialing-up: through panel key-press, changed the Panel's key assignments into relevant data by MCU, if by RF Module the data shall be transmitted through antenna. Reference frequency: Crystal XC1 13.284M supplies the reference clock signal for MCU UC1 system and PF module.

Signal transmit: audio signal through the narrow head MIC1, filter inductance LC4, LC5, capacitance CC21, resistance RC15, inductance LC3, capacitance CC22, resistance RC17 to MCU IC UC1, then transmit the data signal from antenna by RF Module.

Signal receive :RF signal transmits to RF Module by antenna, effective RF signal after transformed by RF module transmits to MCU IC UC1, and judged in MCU : a、 If audio signal transforms into simulated voice signal, then through LC2, LC1, to earphone set(JS2), or speaker (LS1); b、 If incoming telegram signal, then sent the internal shake and ring frequency through resistance RC3 controlled the dynatron QC1 by MCU 93PIN, let the buzzer BUZ1 phonate; c、 provided Call ID, transmits to UL1, the calling number code will be displayed by LCD.

Charging loop: DC 9V voltage through mobile phone charging shrapnel, inductance LP1, LP2, diode DP1, DP2, resistance RP11, RP3, RP4, IC UP4 composes DC 4.2V to adjust circuit and charging the battery.

LCD display: Calling number and dialing information will be transformed by MCU and transmitted to display driver IC UL1 and displayed by LCD screen, besides UL1 controls QL1 to let the backlighting lighten and shined.