W1D CIRCUIT DESCRIPTION

A：handset

1． Power supply：used 3.7V/250maH LI-ION battery。
2． 3.3V issued by XC6206 regulator ICs, supply to all circuit consume。
3． The NRF2401 2.4GHz RF transceiver with embedded 8051 compatible micro-controller and 9 input, 10 bit ADC, it performs the date modulation and demodulation, and transmit/receive date via antenna
4． The HT48R10A scans the keypad and control display. At the same time ,the HT48R10A communicate with NRF24E1.
5． The NRF2401 2.4GHz RF transceiver with embedded 8051 compatible micro-controller and 9 input, 10 bit ADC, it performs the date modulation and demodulation, and transmit/receive date via antenna

B：desktop phone

1． Power supply：used USB power。
2． 5V supply to LM386(operation amplifier)。3.3V issued by XC6206 regulator ICs, supply to other circuit consume。
3． The NRF2401 is a single-chip radio transceiver for the world wide 2.402-2.4835GHz ISM band. The NRF24E1 communicates with HANDSET via antenna, NRF2401 receives the date and send it to CY7C68013, then the CY7C68013 management this data.
4． The CY7C68013 is a Single-chip integrated USB 2.0 transceiver, SIE, and enhanced 8051 microprocessor. It is a High-speed USB Peripheral Controller. It controls its peripheral, including keyboard, LED, MC14LC5481, and so on. CY7C68013 sends the data to PC software, then the PC software manager the data.
5． The MC145481 is a general purpose per channel PCM Coder-filer, this device performs the voice digitization and reconstruction. The MC145481 decodes the data from MSM7602 and send it to LM386(operational amplifier). The MC145481 codes the data from MIC and send to MSM7602. The MSM7602 is a low-power CMOS IC device for canceling echo (in an acoustic system or telephone line) generated in a speech path. The MSM7602 processes the coded sound data to cancel echo.