W1DL CIRCUIT DESCRIPTION

A：handset

1. Power supply：used 3.7V/460maH LI-ION battery。
2. 3.3V issued by EUP7968 regulator ICs, supply to all circuit consume。
3. The nrf24012.4GHz RF transceiver, it performs the date modulation and demodulation, and transmit/receive date via antenna
4. The STC12LE5404AD scans the keypad and control display. At the same time ,the STC12LE5404AD communicate with nrf2401 and w681310

B：desktop phone

1. Power supply：used USB power。
2. 3.3V issued by EUP7968 regulator ICs, supply to other circuit consume。
3. The NRF2401 is a single-chip radio transceiver for the world wide 2.4-2.5 GHz ISM band. The nrf2401 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, W681310, and so on. CY7C68013 sends the data to PC software, then the PC software manager the data.
5. The W681310 is a general purpose per channel PCM Codec-filer, this device performs the voice digitization and reconstruction. The W681310 send the data to MC34018. The MC34018 receive the voice from MIC and send to W681310. The MC34018 speak phone integrated circuit incorporates the necessary amplifiers, attenuators, and control functions to produce a high quality hands-free speak phone system。