VTB99 CIRCUIT DESCRIPTION

1. Power Supply

DC Socket supply the power to battery after U10 voltage regulation. LED 2 is the indicate light of charging.And battery supply the power to Bluetooth Module ,LCM,DSP LCM and FM after IC(U3,U8,U11,U4) voltage regulation.And the battery also supply the power to Recording module and the audio signal amplifier circuit.

2. Bluetooth Module

After turn on the device, bluetooth module into normal working condition,and connect with the cell phone and communicate with it.R1 and R5 check the voltage of the battery.R6 and C1 is the reset circuit of the bluetooth module.S1,S2,S3 is the function button,SCL and SDA supply the data to LCM. PCM_CLK,PCM_OUT,PCM_IN.PCM_SYNC and U5 connect and communicate each other.LED1 is the indicator of the Bluetooth.

3. Recording Module

S5 and S4 control the recording the playback the recording.Resistance R98 and internal shock circuit U1(ISD 1620) supply the working time to IC.SP+and SP- input speaker to play.

4. LCD1 display telephone number or functional mode.

U5 is the digital signal used for dealing with circuit, Noise&Echo Suppression, working frequency 4.096 MHz (Y1),included 8K-Bit memorizer U5, R54 and C32 is the repeated circuit, MIC0_P and MIC0_N is the input port of the micphone signal, SPKOUT_P and SPKOUT_N is the output port of voice's signal,can export the each other's voice's signal.

5. U7 is the magnify circuit of audio- frequency's signal, U6's voice's signal was export to speaker by V01 and V02.