

Description of Circuit Function & Device Operation

1. DC-DC Converter
 - 1) This circuit performs DC to DC conversion.
 - 2) The circuit converts 1.8V charged voltage (in battery) to 3V Vcc.

2. PC Interface
 - 1) Personal computer have the extracted data file.
 - 2) Data files are saved flash memory by USB (Universal Serial Bus) type connection, using the software by Hyun Won Inc.

3. Data Storage
 - 1) This equipment has a flash memory (32/64/128 MB), in capable of the extracted data files.

4. DSP (Digital Signal Processor)
 - 1) This circuit is DSP unit, processing digital signal.
 - 2) Basic clock speed (on normal mode) is 22.5792 MHz.

5. CODEC
 - 1) This circuit converts decoded digital to analog signal.

6. Amplifier
 - 1) This circuit is a amplifier, matching impedance of output signal with impedance of earphone.

7. Extended Memory (Optional)
 - 1) This model is capable of adding extended memory.

8. Operation Frequency
 - 1) Output frequency (Analog signal) : 20 Hz ~ 20 kHz.
 - 2) CPU clock speed (Digital signal) : 22.5792 MHz.