

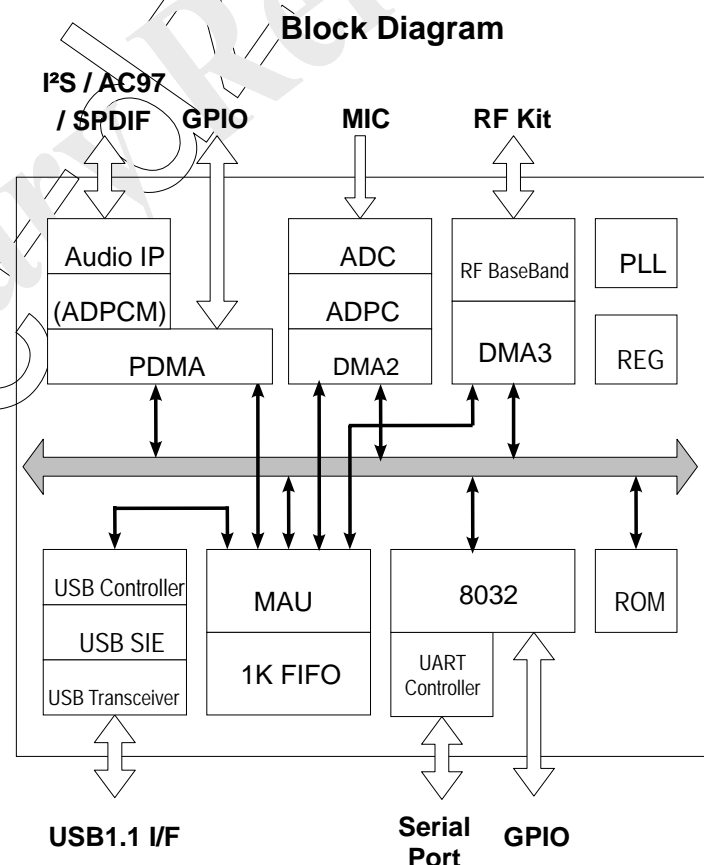
PL-5303 Wireless Audio Controller

Overviews

The PL-5303 Wireless Audio Controller provides a low cost, high performance wireless audio solution. It integrates an RF MAC protocol processor, an enhanced 80C32-compatible core, I2S/AC97/SPDIF interface, microphone interface, serial interface, and 16 pins of GPIO. By adding an external RF chipset along with the PL-5303 USB Wireless Dongle, the PL-5303 Wireless Audio Controller is used to offer an optimal solution for short-range wireless audio solution. The PL-5303 can be popularly applied to PC, Cellular phone, Portable Multi-media Device, Home Entertainment, TV Game Box and so on. The PL-5303 can provide end customer more friendly, comfortable, unconstrained experience. Proprietary 2.4GHz can provide powerful bandwidth, anti-interference and cost effective solution.

Features

- 4-phase 80C32-compatible controller running up to 48 MHz
- Embedded USB hub to support multiple devices
- USB interface with USB1.1 compliant for quick and easy connection to PC/NB/Host
- Provide high quality wireless stereo audio solution
- Support AC97/I2S/SPDIF Audio I/F
- Support Serial I/F for connection to Pen-board, Cellular phone and other serial interface devices
- Support general purpose IO ports for specific devices
- 16 extra GPIO pins which can be configured as level or edge sensitive triggered interrupt sources.
- One 8bit/12bit ADC with sampling rate up to 24 KHz
- Embedded 5V~ 3.3V 100mA regulator for internal circuit
- Advanced interrupt mechanism to ease the handshake overhead
- Advanced power management mechanism
- 32K x 8bits embedded ROM
- Two 16-bit programmable timers
- Capable of supporting 2-wire EEPROM
- Low RF baseband cost and high wireless throughput
- External RF chipset with 3Mbps/1Mbps data rate @ 2.4GHz and communication range: over 10 meters indoor and over 50 meters outdoor



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