

MP3 Decoder



Atmel introduces a Ready-to-Use Ultra-Low-Power MP3 Decoder for Mobile Phones
www.atmel.com

Atmel Corporation introduces a ready-to-use single-chip MP3 decoder combining all the features to allow a mobile phone to play MP3 music and ring tones and to convert it into a pen drive. The AT83SND2CMP3 features an easy-to-implement protocol that can be added to the baseband firmware. The baseband processor, acting as a master, controls the slave player with simple commands such as: Play, Pause, Stop, Next, Copy File, Get File. In case of a call, the player is stopped and any MP3 ring tones can be activated. The call is directed by the AT83SND2CMP3 to the earphone or to the speaker. The device features low power consumption down to 37 mA. The AT83SND2CMP3 can also act as a mass storage controller for NAND Flash, MultiMediaCard (MMC), Xd-Picture Card, Secure Digital, allowing phones using this chip to play MP3 files or store pictures from a mobile phone-camera.

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