The electrical description of EV01S

The EV01S Module is an OEM module (18x34mm) based on the ETK51. It is an uncompressed wireless digital audio transceiver operating in the 5.8GHz bands. The wireless audio link support to Mono audio streams and comes together with additional features such as: data encryption, pairing functionality, bi-directional control data messages, low power audio snooze mode, WLAN detection and Automatic Frequency Allocation. The ETK51 chip itself provides the basic functions of Audio Processing and buffering, Data Link Layer and Physical Layer. The module integrates all functionality for a wireless digital audio connection, comprising:

• ETK51 Wireless Audio Processor

• Embedded Antennas

• Embedded balun filter circuit

• Embedded 16Mhz crystal

• I^{2}S Digital audio interfaces

• I2C control interface

• 26 pins header connector for power, digital audio and control interface and GPIOs