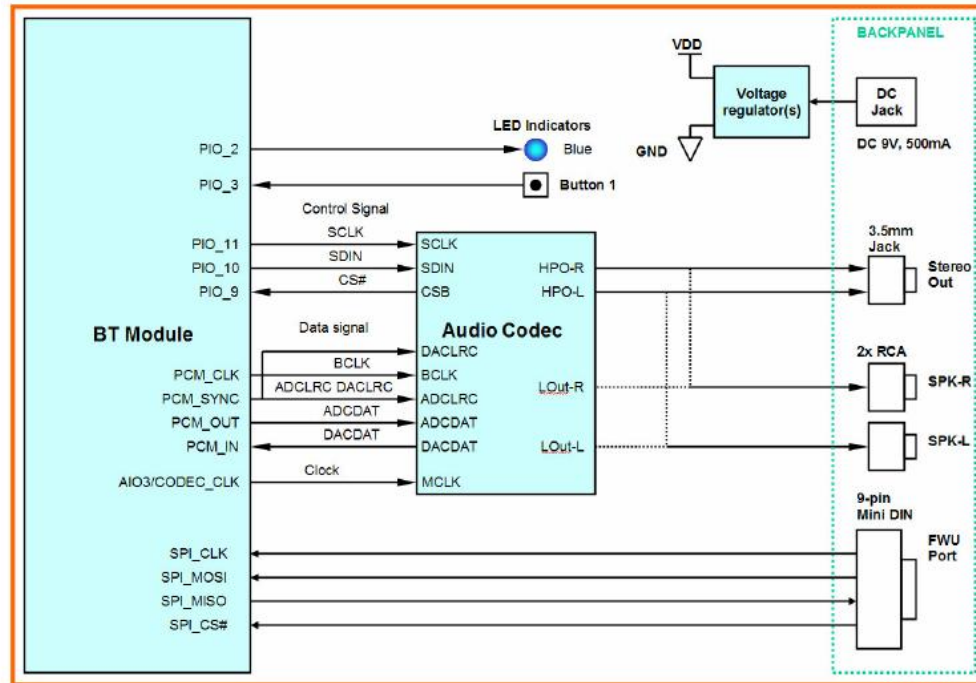


1 FUNCTIONAL BLOCK DIAGRAM

This section contains the functional block diagram, with a design narrative.

1.1 Hardware Block Diagram



1.2 Key Design Features

1.2.1 Bluetooth module

The Bluetooth module is iFoundry IFSYS-5043, Class 2 Bluetooth module based on CSR BC03 Multimedia External chipset. It is running an A2DP (Advanced Audio Distribution Profile) sink application with AVRCP (Audio/Video Remote Control Profile) target. The firmware application receives the encoded stereo audio streaming via Bluetooth from an audio source (e.g. a handphone).