

BT Module Board

The BT Module Board is consists of two major sections, Digital section and Analog/RF Section

1) Digital Section

The section is made up of:

- BC352
- Flash Memory

BC352

The BC352 integrated the Baseband/Radio and processor into a single chip it includes a 2.4 GHz BT radio, Baseband circuits and DSP Processor.

Flash Memory

The Flash stores the OS of the device and application code as well as the power-on configuration for the processor, the wireless radio.

2) 16 MHz Crystal

The 16 MHz crystal provides the core clock for the BC352. This crystal is connected to the BC352, which then form an oscillator internally.

3) Analog/RF Section

The RF Front End Section is consists of:

- DBF81F106 - 2.4GHz Band Pass Filter (BPF)
- Antenna -2.4G BT Antenna.

DBF81F106 - 2.4GHz Band Pass Filter (BPF)

The input and output of the 2.4GHz balun is directed to a band pas filter between the BC352 and the 2.4G BT Antenna. This filter is included to reduce spurious emissions

from the BC352 or wireless interference.

- Antenna -2.4G BT Antenna.

Antenna transform the signal on the transmission transform into the electromagnetic waves in unbounded medium (usually free), and the opposite transformation.