1. Introduction

MB0502C0 is a fully integrated Bluetooth module. It is based on CSR's Bluecore5-Multimedia External with specific interface design to meet LG Electronics's needs.

MB0502C0 is compatible with Bluetooth specification version 2.0. It integrates RF, Baseband, controller, etc., a completed Bluetooth subsystem. MB0502C0 supports A2DP Sink/Source, AVRCP Target profiles. It provides a UART interface, analog audio line input, SPDIF audio output and 2 functional I/O.

MB0502C0 can control by UART. Please refer to MB0502C0 software user guide for the interfacing protocol.

2. General Features

2.1 Module Features

- Operation Range (Class II) : 10 meters
- Operating Temperature Range : -10℃ ~ 80℃
- Operating VDD Range : 2.7V ~ 3.6V
- Output Power : 0dBm
- Interfaces : UART, Analog Audio Line-in, SPDIF Audio Out, Functional I/O
- Internal Antenna
- Compatible with Bluetooth Specification 2.0
- 64MIPS Kalimba DSP Co-Processor
- 16-bit Internal Stereo CODEC
- RoHS Compliant

2.2 Firmware Features
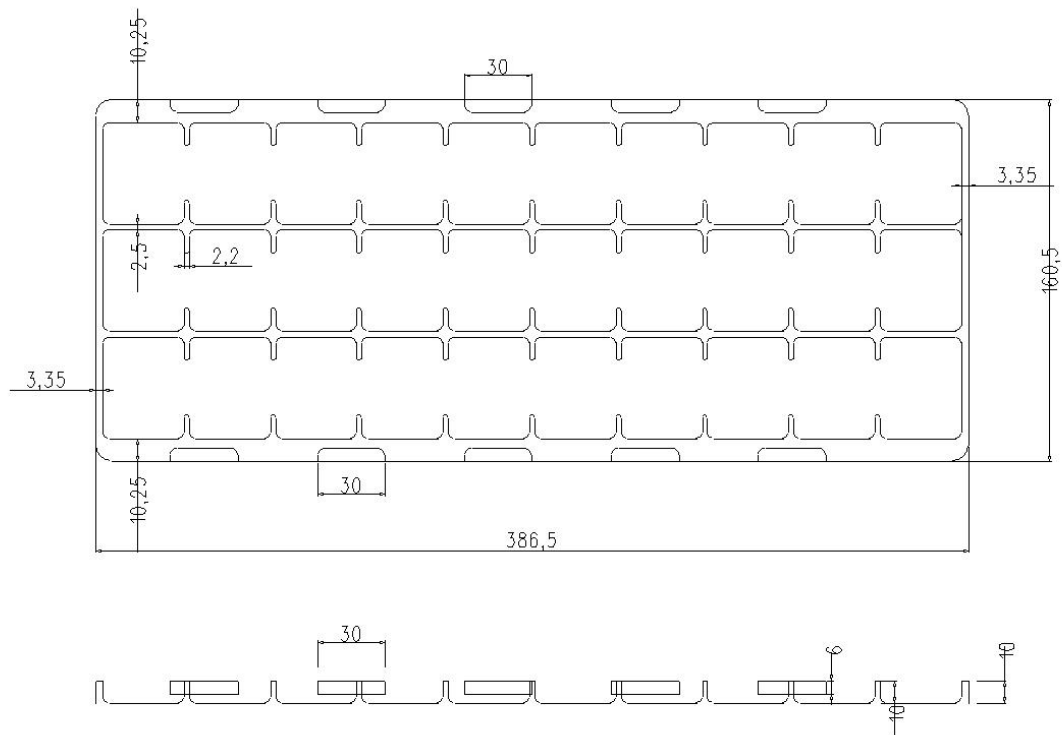
- Bluetooth Stack : UnifiedStack 2.0
- Host Interface : UART

- Support Profile : A2DP (Sink/Source), AVRCP Target

- Profile version : A2DP V1.0, AVRCP V1.0
- DUT(Device Under Test) Mode Support
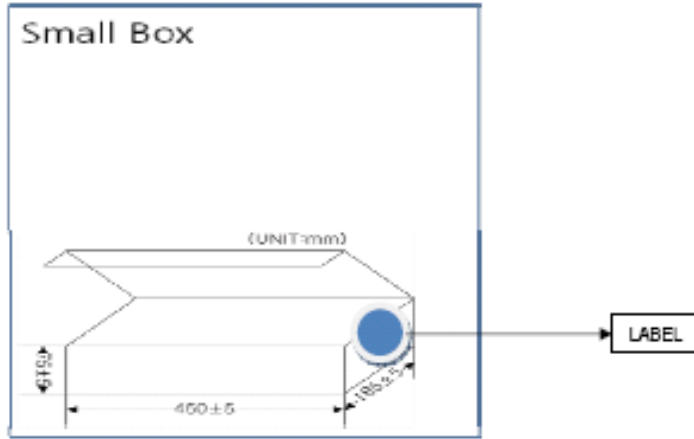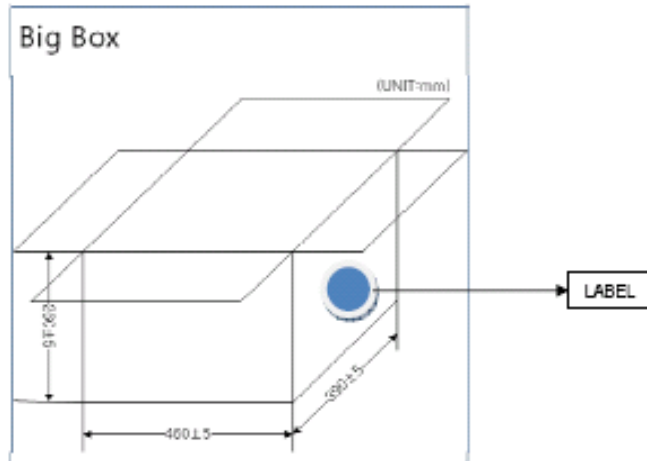- DFU(Device Firmware Upgrade) Support

3.Packing Information

3.1 Tray

Each tray has 30 units of products.
7 trays per AL bag.
Attach a MSL level label on the AL bag

Small Box

No.	Description
①	Company
②	Model No. of MCSLogic
③	Part No. of LGE
④	Model Name Bar-code
⑤	Week Code (YY : Year, WC : Week Code)
⑥	Certification Mark (CE)
⑦	RoHS Mark
⑧	Quantity
⑨	Manufacture Country

Big Box

No.	Description
①	Company
②	Company Address
③	Customer
④	Model No & LGE Part No.
⑤	Quantity
⑥	Gross Weight(Kg)
⑦	Carton No.
⑧	Rohs

Package Reliability Test Conditions

NO	ITEM	Condition	Characteristics
1	Drop Test	Initial value measured at standard test condition. Test Conditions : - Test height : 100cm - Test times and Directions : 10 times each in 14 directions Drop the product onto a 10mm thickness plywood	No electrical problem No mechanical damage

Federal Communications Commission (FCC) Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1) this device may not cause harmful interference, and
2) this device must accept any interference received, including interference that may cause undesired operation of the device.
FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC RF Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

* Information for OEM integrator
The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user manual of the end product.
The user manual which is provided by OEM integrators for end users must include the following information in a prominent location.
"To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."
Label for end product must include "Contains FCC ID: BEJ9QK-MB0502C0 or "A RF transmitter inside, FCC ID: BEJ9QK-MB0502C0".