



CONTINENTAL AUTOMOTIVE SYSTEMS

BLUETOOTH PHONE MODULE

PRODUCT OVERVIEW

MODEL BPM (B)

Generic Product Description

The Bluetooth Phone Module (BPM) is a Continental Automotive Systems product supplied to a vehicle OEM for integration into a range of vehicles. The integrated BPM provides an in-vehicle hands free phone solution.

In general, the BPM provides an optical interface that is connected to an optical bus (ring) within the vehicle. This optical bus is used for both data and audio transmission and represents the 'integration' element such that all system features are able to be controlled by the end user via a HMI (head unit controls and/or steering wheel switches).

Phone communication is via a Bluetooth link. The Bluetooth (BT) circuit design within a BPM family is common and fixed.

The BPM BT communication supports HFP1.0 and HFP1.5.

The BPM is a Class II device.

The product also supports either an internal or external BT antenna option.

Additional in-vehicle signal conditioning may be supported by the BPM variant. The main 32 pin connector on the module supports a wired interface for the provision of power and any control signals.

BPM (B) Model

This family of product is based on the generic product as described but has two variants. The variant classification is governed by the optical bus protocol – either a MOST or D2B bus.

The BT circuit design is common and fixed between variants.

BPM (B): MOST Variant

This product supports both an internal and external BT antenna option.

Internal Antenna: (P02BPM, P03BPM, P11BPM, P12BPM)

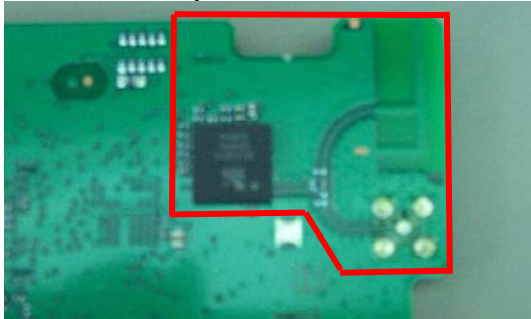
PCB – Top View



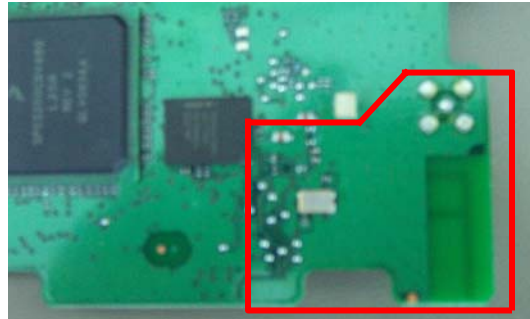
PCB – Bottom View



BT Circuit – Top View

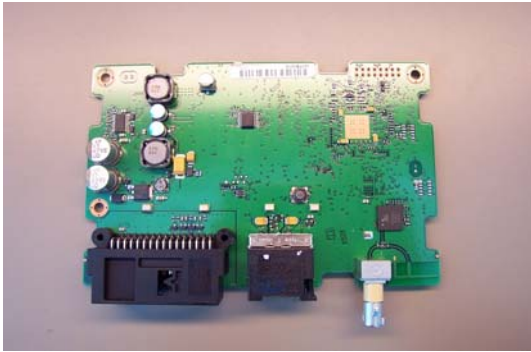


BT Circuit – Bottom View



External Antenna: (P03BPM)

PCB – Top View



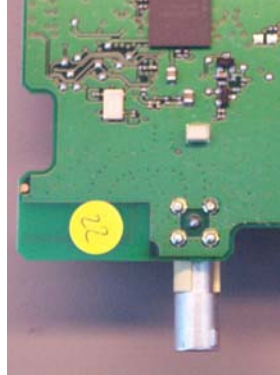
PCB – Bottom View



BT Circuit – Top View



BT Circuit – Bottom View



BPM (B): D2B Variant

This product supports only an external BT antenna option.

External Antenna: (P21BPM)

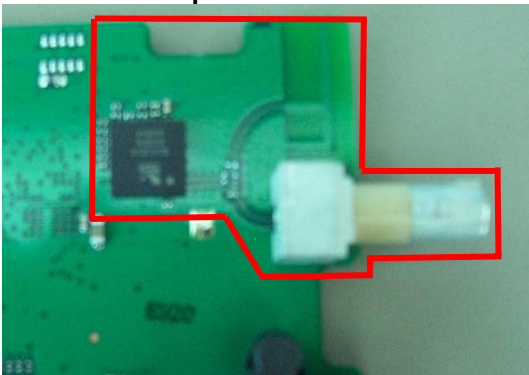
PCB – Top View



PCB – Bottom View



BT Circuit – Top View



BT Circuit – Bottom View

