

Class-1 43LD BLUETOOTH AUDIO MODULE WITH SHIELDING. 32x15mm

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SMD
Product Type	
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for BM64SPKS1MC1-00M2AA or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The BM64 stereo audio module is a fully-certified Bluetooth module for designers who want to add Bluetooth wireless audio and voice applications to their products. This Bluetooth SIG certified module provides a complete wireless solution with Bluetooth stack, integrated antenna, and worldwide radio certifications in a compact surface mount package. This stereo module has integrated Li-Ion charger and contains a digital audio interface. It supports HSP, HFP, SPP, A2DP (Sink), and AVRCP profiles. Both AAC and SBC codecs are supported for A2DP. Bluetooth Low Energy supports standard Generic Access Service, Device Information Service and a proprietary service for data communication.

Note: The BM64 module supports two versions of firmware for single-speaker applications: DSPK version 1.1 and 2.1. Modules are pre-programmed with DSPK v1.1. See the tools package under the Documentation tab for new features and instructions on how to upgrade from version 1.1 to 2.1.

Microchip's Wireless Concert Technology (WCT) for speakers uses Multi-Speaker (MSPK) firmware to stream A2DP music to multiple speakers from one audio source, such as a smartphone. This unique solution delivers tight synchronization among the speakers with less than 0.3 ms of uninterrupted, distributed audio. Use personal sharing groups to easily pair speakers and assign master and slave roles via the Microchip Bluetooth Audio (MBA) Mobile app. For more information about multi-speaker applications, contact your local Microchip sales representative.

## Features

Bluetooth 5 Certified

On-board Bluetooth Stack

Class 2 module with +2 dBm (typical) output power and Class 1 module with +15 dBm (typical) output power

Transparent UART mode for seamless serial data over UART interface

Easy to configure with User Interface (UI) tool, a Windows® configuration utility or directly by MCU

USB firmware upgrade supported

Supports both digital audio I2S format and analog audio output

Compact surface mount module: 32 x 15 x 2.5 mm<sup>3</sup>

Castellated surface mount pads for easy and reliable host PCB mounting

RoHS compliant

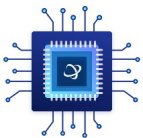
Ideal for portable battery-operated devices

Internal battery regulator circuitry

On-board antenna

FCC, Canada (IC), European Economic Area (CE), Korea (KCC), Taiwan (NCC), Japan (JRF), and China (SRRC) certified

## Related Products



### [BM-71-PICTAIL](#)

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N/A



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Microchip Technology, Inc  
VDFN-6



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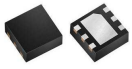
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