Bluetooth® Dual Mode v4.0, Module, Supports Bluetooth® Classic and Bluetooth LE, 2.4 to 2.48GHz

Manufacturers	Microchip Technology, Inc
Package/Case	SMD
Product Type	RF Integrated Circuits
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for BM77SPPS3MC2-0007AA or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The BM77 is a Bluetooth SIG certified Dual mode Bluetooth 4.0 module. It offers developers a complete turnkey solution and is equipped with all necessary hardware and a complete software stack on-board for Bluetooth Classic and Bluetooth Low-Energy operation. The BM77 ships ready to run as a Bluetooth Classic and Bluetooth Low-Energy UART replacement. Whatever is presented to the UART interface will be transmitted over Bluetooth. The easy-to-use Window's-based configuration tool enables developers to customize the module parameters to the specific design performance and power budget needs. The BM77 is a compact 22 x 12 x 2.4 mm surface mount package. Available iOS Applications for the BM77:Bluetooth Smart DiscoverMicrochip's Smart Discover for iPhone or iPad provides the ability to scan and connect to nearby Microchip Bluetooth Low Energy (BLE) peripherals and listen to BLE broadcasters.

Please consider this deviceBM78

Features

UART wire replacement over dual-mode Bluetooth

Complete Stack-on-board solution

Bluetooth 4.0 Dual Mode

Supports SPP profile (Bluetooth Classic) and Transparent UART (Low Energy)

Class 2 RF transmitter output power

Operates in Slave mode (Bluetooth Classic) and Peripheral mode (Bluetooth Low Energy)

PC Tool to configure all module settings
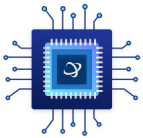
Multi-function GPIO interface

UART up to 921Kbps

PIC 16 and 32 bit configuration library for optimized control/configuration

I2C for external EEPROM

BT SIG, FCC, IC, EU certified

Related Products

BM-78-PICTAIL

Microchip Technology, Inc

N/A

BM71BLE01FC2-0002AA

Microchip Technology, Inc

SMD

BM71BLES1FC2-0B02AA

Microchip Technology, Inc

SMD

BM71BLES1FC2-0B04AA

Microchip Technology, Inc

16-SMD SMD

BM71BLES1FC2-0002AA

Microchip Technology, Inc

SMD

BM70BLES1FC2-0B04AA

Microchip Technology, Inc

33-SMD SMD

BM70BLES1FC2-0B03AA

Microchip Technology, Inc

SMD

BM70BLE01FC2-0B05BA

Microchip Technology, Inc

SMD