FCL Components Wireless Modules Bluetooth® Ver. 4.1 Module (Blank Version) MBH7BLZ01-109029, MBH7BLZ02-109031

Bluetooth Core Specification Version 4.1 (*Bluetooth* low energy) conforming peripheral "blank" modules.

Overview

Bluetooth Core Specification Version 4.1 (*Bluetooth* low energy) conforming peripheral "blank" modules (separation of protocol stack and application code).

Features

- "Blank" module: user can develop own unique application codes
- Based on Nordic Semiconductor nRF51822 SoC Rev. 3
- All 31 GPIO pins are allocated to the module
- Separation of protocol stack and application code
- Assurance that the protocol stack is fully tested and can't be corrupted by application software development
- Implement your unique profiles and application code

Item		Specifications		
Part number		MBH7BLZ01-109029	MBH7BLZ02-109031	
Antenna		None	Patterned antenna	
Bluetooth		Conforms to Bluetooth Core Specification Version 4.1		
technology		(single mode low energy radio)		
RAM		16KB		
Transmit power		+4 dBM max.		
Receiver sensitivity		-88 dBM typical		
Interface		UART, SPI, I ² C, GPIO		
Crystal oscillator		Embedded		
Power supply		1.9 V to 3.6 V corresponds to LDO mode		
Power consumption (current)	Tx mode	10.5mA typical (+0dBm)		
	Rx mode	13mA typical		
Operating temperature		-40°C to +85°C (no condensation)		
Dimensions		10.5 x 9.2 x 1.6 mm	15.7 x 9.8 x 2.0 mm	
Mounting method		SMD		
Certifications		Radio Act (Japan) / QDID	FCC / IC / CE / Radio Act (Japan)/ QDID	

Note: Bluetooth SIG registration is required to use this module's QDID.



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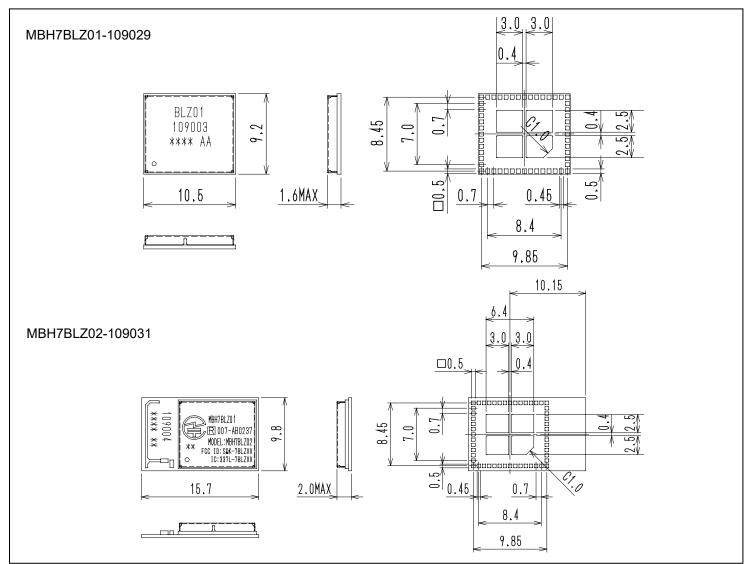
MBH7BLZ01-109029

Evaluation kit		
Part number	Details	MOQ
MBH7BLZ02-EB-	Evaluation kit	1 set
KIT-2		

Upper layer protocol & application development tool

Please download* the following software from Nordic Semiconductor: www.nordicsemi.com • Software Development Kit ('SDK')

Dimensions



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