MIC-B2 WIFI Module
User Manual
Rev. 0.01

Reviewers

Department	Name	Review Dates	
		Plan	Results
Director of Engineering			
Hardware Engineering			

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1. Introduction

Project Name: 802.11n (5G) 2x2 MIMO WIFI module

This documentation describes the product specification of the WIFI 802.11n module, it is a confidential document of FOXCONN.

1.1 Scope

The MIC-B2 802.11n module provides wireless modem functionality utilizing OFDM technology. The objective of this use manual is to verify the functionality of the MIC-B2 802.11n module RF/Digital electronic design against the design specifications.
This device is operated in 5180~5240MHz (indoor only) and 5745~5825MHz.

1.2 Function

- Support IEEE 802.11n 2x2 MIMO specified functions
- SDIO V2.0 interface support

2. Product Specification

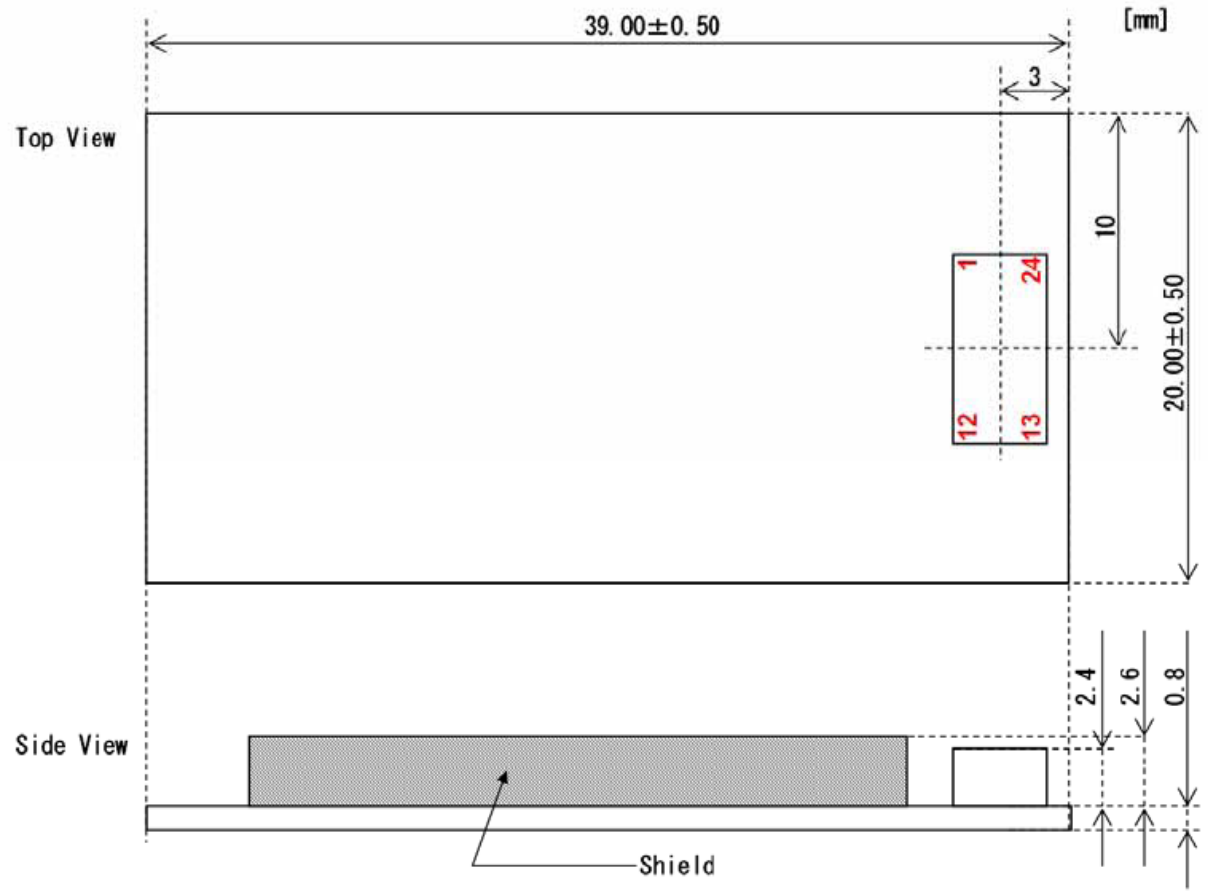
Absolute Maximum Ratings

These specifications indicate levels where permanent damage to the device can occur. Functional operation is not guaranteed under these conditions. Operation at absolute maximum conditions for extended can adversely affect long-term reliability of the device.

DC Specification

Element	Symbol	Min	Typ	Max	Unit
DC supply voltage	VDD	3.0	3.3	3.6	[V]

3. Mechanical Drawing



4. Regulatory Information

USA-Federal Communications Commission (FCC)
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.

Caution
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Labeling
Hon Hai Precision 802.11n (5G) 2x2 MIMO WIFI module MIC-B2 labeled as below.
FCC ID: MCLMICB2
The proposed with FCC ID label format is to be placed on the module. If FCC ID is not visible when the module is installed into the system, "Contains FCC ID: MCLMICB2" shall be placed on the outside of final host system.

Caution: Exposure to Radio Frequency Radiation.
To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Canada-Industry Canada (IC)
This device complies with RSS 210 of Industry Canada.
Operation is subject to the following two conditions:
(1) This device may not cause interference, and
(2) This device must accept any interference, including interference that may cause undesired operation of this device.

Labeling
Hon Hai Precision 802.11n (5G) 2x2 MIMO WIFI module MIC-B2 labeled

as below.
IC :2878D-MICB2
The proposed with IC No. label format is to be placed on the module. If IC No. is not visible when the module is installed into the system, “Contains IC :2878D-MICB2” shall be placed on the outside of final host system.

The term “IC” before the equipment certification number only signifies that the Industry Canada technical specifications were met.

Caution: Exposure to Radio Frequency Radiation.
To comply with IC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is only operated with the antenna with which it is approved by FCC and Industry Canada.