

OSRAM Product Specification ZPR	IQ ZigBee module	Version 1.0 non EDOS Page 1 of 4
Issue: 19.09.2014	Status:	Comments:

Overview:

The IQ ZigBee module is to be integrated into lamps to realize ZigBee functions.

1. GENERAL DESCRIPTION		
1.1. Product identification	IQ-H product Zigbee module	
1.2. ZigBee IC	Marvell 88MZ100	
1.3. Interface	PWM/UART/IIC/SPI; 1ADC; TX & RX for test	
1.4. Typical voltage	3.3V	
1.5. Communication protocol	ZigBee 2012 PRO & ZigBee Light Link 1.0	
1.6. Operation Temperature	-40~105°C	

2. ELECTRICAL REQUIREMENTS		
2.1. Nominal voltage range	2.2~3.6V	
2.2. Nominal operating current	Receiver current(with active CPU 32MHz): 21mA TX current(with active CPU 32MHz): 34mA	
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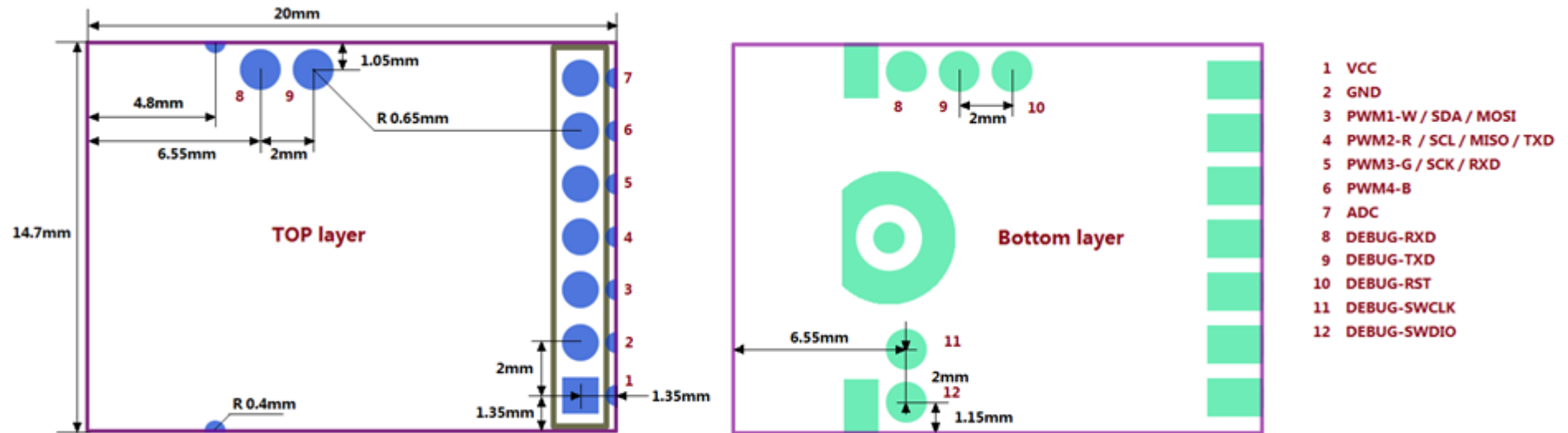
3. MECHANICAL REQUIREMENT		
3.1. Terminals	Soldering PAD PIN connector	
3.2. Size	14.7mm*20mm*1.9mm	

Approvers				
MKT				
R&D	<i>Dai David</i>			
For information:				

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4. CHANGE INDEX			
Vers.	Date	Change	
1.0	15.04.2014	First draft	
1.0.1	19.09.2014	Revise Pin assignment	

COMMENTS		
Section	Change	

Approvers				
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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.

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

If the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: Contains Transmitter Module FCC ID: DZO-IQHOME or Contains FCC ID: DZO-IQHOME

This device complies with Industry Canada licence-exempt RSS standard(s). 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 the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

If the IC number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: Contains IC: 11099A-IQHOME

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when the module is installed inside another device, the user manual of this device must contain below warning statements;

1. *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.*
 - (2) *This device must accept any interference received, including interference that may cause undesired operation.*
2. *Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*
3. *This device complies with Industry Canada licence-exempt RSS standard(s). 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 the device.*
4. *Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

The devices must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product.

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