



PRODUCT SPECIFICATION

Version 1.2

IEEE 802.11 a/b/g/n/ac 2T/2R Band USB2.0 Module
Integrated Bluetooth V2.1/3.0/4.0/4.1/5.0
Model Number: WCT1ER2511
(REALTEK RTL8822CU-CG)

客户认可 Custom Approval Section		
Custom Name		
Department		
Approval		Date:

拟制 DESIGN	审核 CHECK	批准 APPROVAL
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目录

1. General Description	4
2. Features	4
3. Application Diagrams	5
3.2 General Requirements	5
3.2.1 IEEE 802.11b Section	5
3.2.2 IEEE 802.11g Section	6
3.2.3 IEEE 802.11a Section	6
3.2.4 IEEE 802.11n Section	7
3.2.5 IEEE 802.11ac Section	7
3.2.6 Bluetooth Section	8
4. Electrical and Thermal Characteristics	9
4.1 Environmental Requirements	9
4.2 General Section	9
4.3 Software	9
4.4 Mechanical Dimensions	9
5. Mechanical Dimensions	10
6. Connector Definition	11
7. DC Characteristics	11
9. Power on sequence timing	13
10. Component preparation	13
11. Package	14
Appendix 1: SMTconnector	15

1. General Description

This document is to specify the product requirements for 802.11a/b/g/n/ac USB Module. This Card is based on REALTEK RTL8822CU chipset .It is a complete dual-band(2.4GHz and 5GHz)WIFI 2×2 MIMO MAC/PHY/Radio System-on-a-Chip. This module provides a high level of integration with a dual-stream IEEE 802.11ac MAC/ base band/radio. The WLAN operation supports 20MHz,40MHz and 80MHz channels for data rates up to 866.7Mbps. It is also backward complied with IEEE 802.11a/n standard from 5.15~5.825GHz wideband and IEEE 802.11b/g/n standard from 2.4~2.5GHz. It can be used to provide up to 54Mbps for IEEE 802.11a and IEEE 802.11g, 11Mbps for IEEE 802.11b and 300Mbps for IEEE 802.11n. The Bluetooth part supports latest 5.0.

2. Features

- Compatible with IEEE 802.11a standard to provide wireless 54Mbps data rate.
- Compatible with IEEE 802.11b standard to provide wireless 11Mbps data rate.
- Compatible with IEEE 802.11g standard to provide wireless 54Mbps data rate.
- Compatible with IEEE 802.11n standard to provide wireless 300Mbps data rate.
- Compatible with IEEE 802.11ac standard to provide wireless 866.7Mbps data rate.
- Operation at 2.4~2.4835GHz and 5.15~5.825GHz frequency band to meet worldwide regulations.
- Supports Bluetooth V2.1/3.0/4.0/4.1/5.0.
- Supports Bluetooth Low Energy.
- Supports MU-MIMO.
- Supports wireless peer-to-peer.
- Supports IEEE 802.11i (WPA and WPA2), WAPI.
- Drivers support Windows, Linux, Android.
- Complies with USB2.0 for WLAN and BT controller.
- RoHS compliant.

3. Application Diagrams

3.2 General Requirements

3.2.1 IEEE 802.11b Section

	Feature	Detailed Description
3.2.1.1	Standard	IEEE 802.11b
3.2.1.2	Radio and Modulation Schemes	DQPSK , DBPSK , DSSS , and CCK
3.2.1.3	Operating Frequency	2400 ~ 2483.5MHz ISM band
3.2.1.4	Channel Numbers	13 channels for WorldWide
3.2.1.5	Data Rate	at most 11Mbps
3.2.1.6	Media Access Protocol	CSMA/CA with ACK
3.2.1.7	Transmitter Output Power at Antenna Connector	- Typical RF Output Power (tolerance$\pm$2dB) at each RF chain, Data Rate and at room Temp. 25 degree C 16$\pm$2 dBm at 11Mbps
3.2.1.8	Receiver Sensitivity at Antenna Connector	- Typical Sensitivity at Which Frame(1000-byte PDUs)Error Rate=8% at room Temp 25°C -83dBm at 11Mbps

3.2.2 IEEE 802.11g Section

	Feature	Detailed Description
3.2.2.1	Standard	IEEE 802.11g
3.2.2.2	Radio and Modulation Type	QPSK , BPSK , 16QAM ,64QAM with OFDM
3.2.2.3	Operating Frequency	2400 ~ 2483.5MHz ISM band
3.2.2.4	Channel Numbers	13 channels for WorldWide
3.2.2.5	Data Rate	at most 54Mbps
3.2.2.6	Media Access Protocol	CSMA/CA with ACK
3.2.2.7	Transmitter Output Power at Antenna Connector	- Typical RF Output Power(tolerance$\pm$2dB) at each RF chain, Data Rate and at room Temp. 25degree C 14$\pm$2 dBm at 54Mbps
3.2.2.8	Receiver Sensitivity at Antenna Connector	- Typical Sensitivity at each RF chain. Frame(1000-byte PDUs)Error Rate<10% at room Temp 25 degree C -71 dBm at 54Mbps

3.2.3 IEEE 802.11a Section

	Feature	Detailed Description
3.2.3.1	Standard	IEEE 802.11a
3.2.3.2	Radio and Modulation Type	QPSK, BPSK, 16QAM ,64QAM with OFDM
3.2.3.3	Operating Frequency	5.15~5.25GHz 5.25~5.35GHz 5.47~5.725GHz 5.725~5.825GHz
3.2.3.4	Data Rate	at most 54 Mbps
3.2.3.5	Media Access Protocol	CSMA/CA with ACK
3.2.3.6	Transmitter Output Power at Antenna Connector	- Typical RF Output Power(tolerance$\pm$2dB) at each RF chain, Data Rate and at room Temp. 25degree C 14$\pm$2 dBm at 54Mbps
3.2.3.7	Receiver Sensitivity at Antenna Connector	- Typical Sensitivity at each RF chain. Frame (1000-byte PDUs) Error Rate<10% at room Temp 25 degree C -71 dBm at 54Mbps

3.2.4 IEEE 802.11n Section

	Feature	Detailed Description	
3.2.4.1	Standard	● IEEE 802.11n	
3.2.4.2	Radio and Modulation Type	● BPSK , QPSK , 16QAM ,64QAM with OFDM	
3.2.4.3	Operating Frequency	● 2.4GHz band:2400 ~ 2483.5MHz ● 5GHz : 5.15~5.25GHz; 5.25~5.35GHz; 5.47~5.725GHz; 5.725~5.825GHz;	
3.2.4.4	Data Rate	● at most 300 Mbps	
3.2.4.5	Media Access Protocol	● CSMA/CA with ACK	
3.2.4.6	Transmitter Output Power at Antenna Connector	● Typical RF Output Power (tolerance±2dB) at each RF chain, Data Rate and at room Temp. 25 degree C	
		2.4GHz Band/HT20 ● 14±2 dBm at MCS7	2.4GHz Band/HT40 ● 14±2 dBm at MCS7
		5GHz Band/HT20 ● 14±2 dBm at MCS7	5GHz Band/HT40 ● 14±2 dBm at MCS7
3.2.4.7	Receiver Sensitivity at Antenna Connector	Typical Sensitivity at each RF chain at Which Frame(1000-byte PDUs)Error Rate=10% and at room Temp.25 degree C	
		2.4GHz Band/HT20 ● -68 dBm at MCS7	2.4GHz Band/HT40 ● -66 dBm at MCS7
		5GHz Band/HT20 ● -68 dBm at MCS7	5GHz Band/HT40 ● -66 dBm at MCS7

3.2.5 IEEE 802.11ac Section

	Feature	Detailed Description	
3.2.5.1	Standard	IEEE 802.11ac	
3.2.5.2	Radio and Modulation Type	QPSK , BPSK , 16QAM ,64QAM,256QAM with OFDM	
3.2.5.3	Operating Frequency	5GHz : 5.15~5.25GHz; 5.25~5.35GHz; 5.47~5.725GHz; 5.725~5.825GHz;	
3.2.5.4	Data Rate	at most 866.7 Mbps	
3.2.5.5	Media Access Protocol	CSMA/CA with ACK	
3.2.5.6	Transmitter Output Power at Antenna Connector	Typical RF Output Power(tolerance $\pm$ 2dB) at each RF chain, Data Rate and at room Temp. 25degree C	
		HT80 13 $\pm$ 2 dBm at MCS9	
3.2.5.7	Receiver Sensitivity at Antenna Connector	Typical Sensitivity at each RF chain. Frame(1000-byte PDUs)Error Rate<10% at room Temp 25 degree C	
		5GHz Band / HT20 -64dBm at MCS8	5GHz Band / HT40 -58dBm at MCS9
		5GHz Band / HT80 -55dBm at MCS9	

3.2.6 Bluetooth Section

Feather		Description	
General specification			
Bluetooth standard	Bluetooth V2.1/3.0/4.2/5.0		
Frequency band	2402MHz-2480MHz		
Channel Numbers	79 channels for BDR+EDR 40 channels for BLE		
Modulation	GFSK, $\pi/4$ -DQPSK and 8DPSK		
RF specification			
	Min（dBm）	Type（dBm）	Max（dBm）
BDR Output Power		6	
BLE Output Power		4	
Sensitive @BER=0.1% FOR GFSK(1Mbps)		-86	
Sensitive @BER=0.01% FOR $\pi/4$ -DQPSK(2Mbps)		-86	
Sensitive @BER=0.01% FOR 8DPSK(3Mbps)		-80	
Maximum input level	GFSK(1Mbps) -20dBm		
	$\pi/4$ -DQPSK(2Mbps) -20dBm		
	8DQPSK(3Mbps) -20dBm		
Sensitive @PER=30.8% FOR BLE		-90	

4. Electrical and Thermal Characteristics

4.1 Environmental Requirements

Parameter	Minimum	Maximum	Units
Storage Temperature	-40	+80	°C
Ambient Operating Temperature	0	70	°C
Junction Temperature	0	125	°C

4.2 General Section

	Feature	Detailed Description
4.2.1	Antenna Type	- WIFI ANT: PIFA Antenna - BT ANT: PIFA Antenna
4.2.2	Operating Voltage	5 V±10%
4.2.3	Current Consumption	<300mA@RX <1000mA@TX
4.2.4	Form Factor and Interface	High Speed USB2.0 Interface

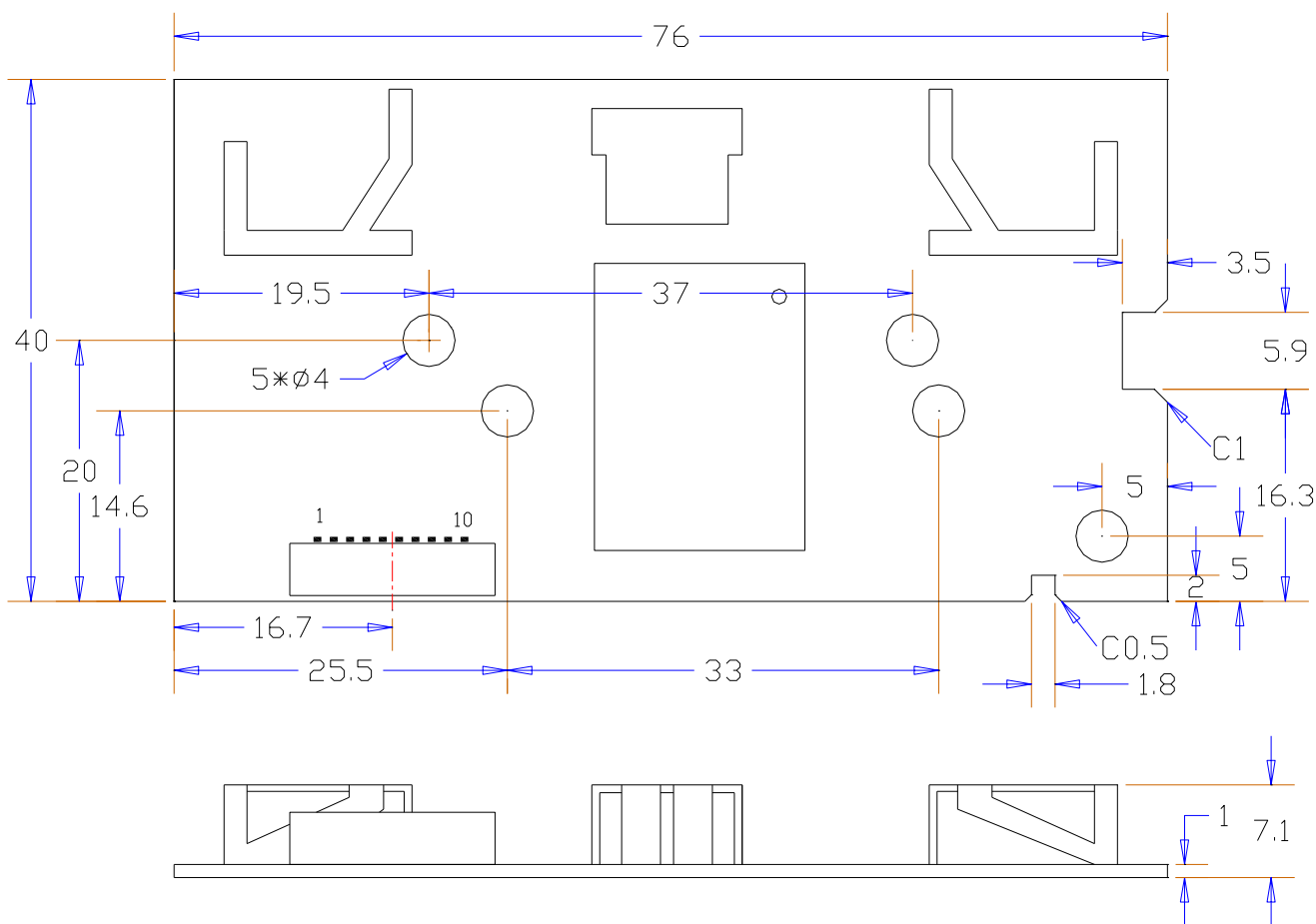
4.3 Software

Driver	Windows, Linux,Android
Security	WPA and WPA2,WAPi

4.4 Mechanical Dimensions

	Feature	Detailed Description
4.4.1	Length	76mm
4.4.2	Width	40mm
4.4.3	Height	7.1mm(PCB 1.0mm)

5.Mechanical Dimensions



Size error range:

Length (mm)	Error (mm)
0-5	±0.15
5-10	±0.20
10-50	±0.30
>50	±0.40

6. Connector Definition

Pin	Symbol	Remark	I/O
1	NC	-	-
2	NC	-	-
3	BT_HOSTWAKE	BT wake up host (with 10K resistance to 3.3V pull-up), low level is effective	O
4	GND	GND	-
5	WOWLAN	Wake on Wireless LAN (with 10K resistance to 3.3V pull-up), low level is effective	O
6	RESET	Reset controlled by main SOC (with 47K resistance to 3.3V pull-up), low level is effective	I
7	GND	GND	-
8	USB -DP	USB Communication signal USB-DP	I/O
9	USB -DM	USB Communication signal USB-DM	I/O
10	5V	VDD 5V	P

Note: WiFi and BT share the same address segment, but it will not share the same address.

BT_WAKE_Host, the internal of the module has been pulled up to 3.3V, do not pull up the host end, and the port status should be configured to be effective at low level.

WL_WAKE_Host, the internal of the module has been pulled up to 3.3V, do not pull up the host end, and the port status should be configured to be effective at low level.

The reset module has been pulled up to 3.3V. Do not pull up the host terminal. The low level is valid.

7.DC Characteristics

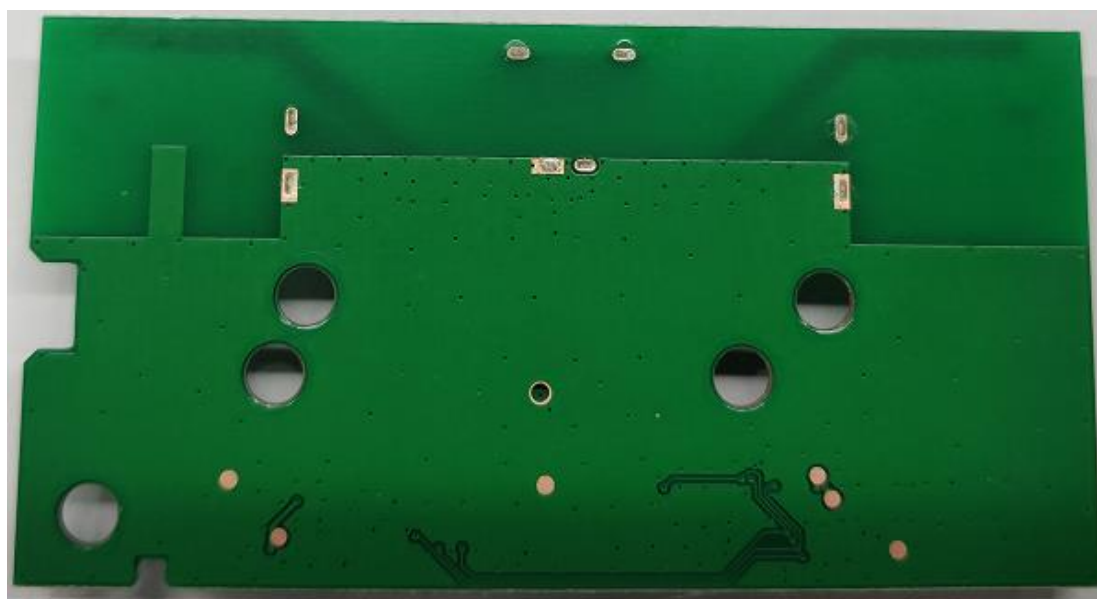
DC Characteristics

Symbol	Parameter	Minimum	Typical	Maximum	Units
VD33	3.3V I/O Supply Voltage	3.0	3.3	3.6	V
VD10	1.1V Core Supply Voltage	0.945	1.05	1.155	V

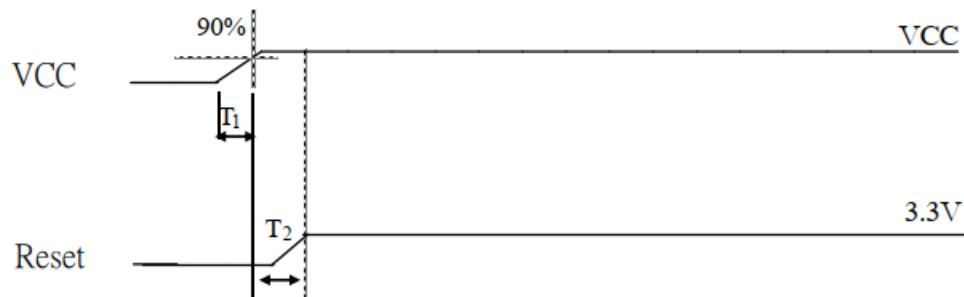
3.3V GPIO DC Characteristics

Symbol	Parameter	Minimum	Normal	Maximum	Units
V _{IH}	Input High Voltage	2.0	3.3	3.6	V
V _{IL}	Input Low Voltage	-	0	0.9	V
V _{OH}	Output High Voltage	2.97	-	3.3	V
V _{OL}	Output Low Voltage	0	-	0.33	V

8.Product picture



9.Power on sequence timing



The typical timing range

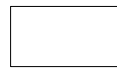
	Unit	Min	Typical	Max
T ₁	ms	0.25	1.5	5
T ₂	ms	1.5		

Note:T2 must be asserted after 3.3V ready

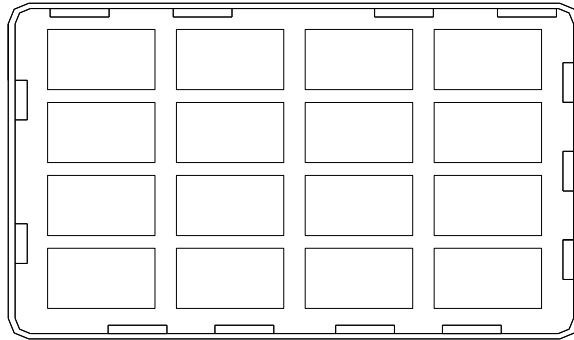
10.Component preparation

Material name	Manufacturer
Crystal/oscillator	CREC/HARMONY
Resistance	Walsin/ Yageo
WIFIIC	RTL
Capacitance	Murata/Walsin/Yageo
Inductance	Murata/CHILISIN
PCB	Fuzhixiang/ Kexiang/ Baoxin Xinwang
Duplexer/IC	Walsin
Pressure reducing tube (DC-DC)	FITI/ Tuoer Microelectronics
SMT connector	Zhejiang Chuangjia/ xinfuer

11.Package

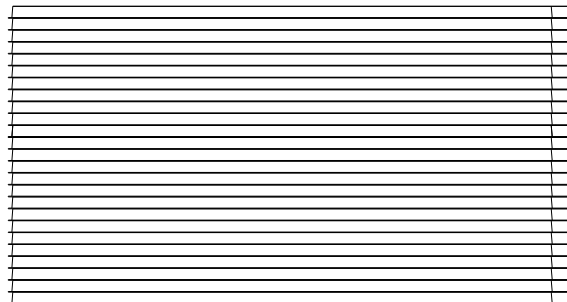


↓ WIFI module into
blister tray



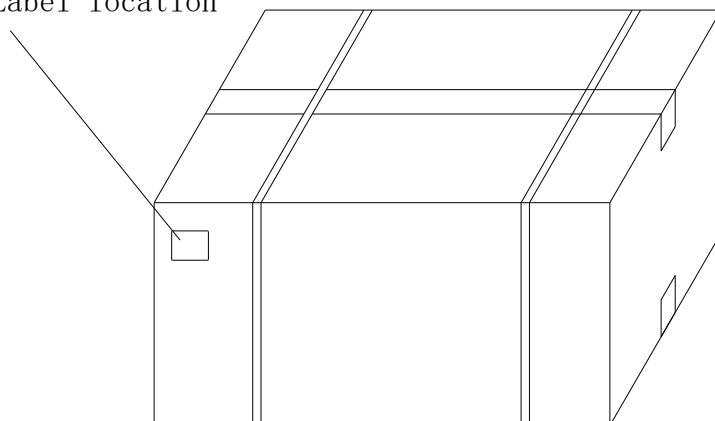
16 per set

↓ Blister tray
packing



↓ Put it in the carton

Label location



Size: 390*290*230mm

Quantity/box: 320

Appendix 1: SMTconnector

1
2
3
4
5
6
7
8

A
B
C
D
E
F

RoHS

REV	MODIFICATION	DRAW	DATE
A2	导入新料号	Beny	2014/04/10

TABLE:

N	A	B	C
2	5.75	3.85	1.25
3	7.00	5.10	2.50
4	8.25	6.35	3.75
5	9.50	7.60	5.00
6	10.75	8.85	6.25
7	12.00	10.10	7.50
8	13.25	11.35	8.75
9	14.50	12.60	10.00
10	15.75	13.85	11.25
11	17.00	15.10	12.50
12	18.25	16.35	13.75
13	19.50	17.60	15.00
14	20.75	18.85	16.25
15	22.00	20.10	17.50
16	23.25	21.35	18.75

额定电流 Current rating: 1.0A
 额定电压 Voltage rating: 125V
 耐电压 Withstand coltage: 500V AC/minute
 接触电阻 Contact resistance: ≤30mΩ
 绝缘电阻 Insulation resistance: 100MΩ Min
 工作温度 Working temperature: -25℃ ~ +85℃

序号	品名	料号	材料规格	单位	数量
3	1.25mm间距GH卧式贴板-焊片	H127G-4250003S-A01	镀锡 GS90H-01 T=0.20mm	卷带	2 PCS
2	1.25mm间距GH卧式贴板-PIN	T127G-4250003S-A01	镀锡 GS90H-01 T=0.20mm	卷带	10 PCS
1	1.25mm间距GH卧式贴板-基板	B127G-42510030-P01	FR4	UL 94V-0 茶色	1 PCS

A127G-4251003S-R02

实际孔位 0:PA9T

R:REEL盘装

浙江创佳电子有限公司
 ZHEJIANG CHUANGJIA ELECTRONICS CO., LTD.
[Http://WWW.CJELE.COM](http://WWW.CJELE.COM)

图号	图名	UNIT	mm	ANGLE PROJECTION
CJ/00A0129	1.25mm间距GH卧式贴板 (GH-10AWB)	比例	1:1	角投影法
DIMENSIONS	ANGLE(°)	SCALE		
X.X=±0.38	X.X=±5°	比例		
X.XX=±0.20	X.XX=±3°			
X.XXX=±0.05	X.XXX=±1°			

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A
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RoHS

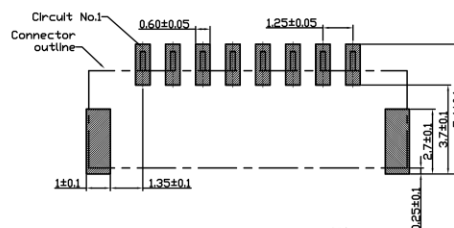
REV	MODIFICATION	DRAW	DATE
A2	导入新料号	Beny	2014/04/10

TABLE:

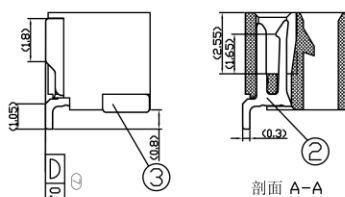
N	A	B	C
2	5.75	3.85	1.25
3	7.00	5.10	2.50
4	8.25	6.35	3.75
5	9.50	7.60	5.00
6	10.75	8.85	6.25
7	12.00	10.10	7.50
8	13.25	11.35	8.75
9	14.50	12.60	10.00
10	15.75	13.85	11.25
11	17.00	15.10	12.50
12	18.25	16.35	13.75
13	19.50	17.60	15.00
14	20.75	18.85	16.25
15	22.00	20.10	17.50
16	23.25	21.35	18.75

额定电流 Current rating: 1.0A
 额定电压 Voltage rating: 125V
 耐电压 Withstand coltage: 500V AC/minute
 接触电阻 Contact resistance: ≤30mΩ

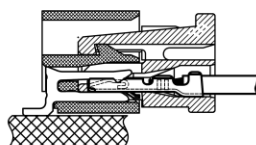
REV.	DESCRIPTION	DATE
A/2	修订版本	12.08.20
A/3	增加序号	14.05.15



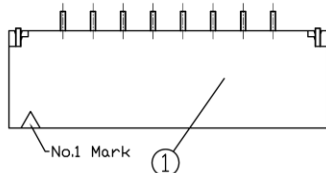
GH-nAWB $\frac{\text{PCB寸法}}{\text{PCB Layout}}$



剖面 A-A



嵌合状态



ROHS管理規定：

- 1、禁止使用含有ROHS指令所限制的物质。
- 2、对应的SGS或ITS出具的ICP-AES数据、不可测定物质的成分表，有效期一年。

- 技术指标:
- 1、塑件表面应光洁、无毛刺、明显收缩、缺陷、裂纹等现象;
 - 2、温度范围: $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$;
 - 3、额定电压: 150V, AC, DC(等效);
 - 4、接触电阻: $\leq 0.03\ \Omega$;
 - 5、绝缘电阻: $\geq 100\ \Omega$;
 - 6、耐压: 500V, AC/minute.
 - 7、适合线规: AWG#26-AWG#30
(线径0.7-1.0mm).

名称 名称	型号(Type)	A	B	C
2	G-02ABD	1.25	3.85	5.75
3	G-03ABD	2.5	5.1	7
4	G-04ABD	3.75	6.35	8.25
5	G-05ABD	5	7.6	9.5
6	G-06ABD	6.25	8.85	10.75
7	G-07ABD	7.5	10.1	12
8	G-08ABD	8.75	11.35	13.25
9	G-09ABD	10	12.6	14.5
10	G-10ABD	11.25	13.85	15.75
11	G-11ABD	12.5	15.1	17
12	G-12ABD	13.75	16.35	18.25
13	G-13ABD	15	17.6	19.5
14	G-14ABD	16.25	18.85	20.75
15	G-15ABD	17.5	20.1	22
16	G-16ABD	21.25	23.35	25.25
18	G-20ABD	23.75	26.85	28.75

4								
3	122-1021-001	夹持 Fitting Nail	磷青铜 Phosphor Bronze	2	电铸厚度: 整个表面厚度为30μM, 另电铸 80μM			
2	112-1021-001	端子 Contact	磷青铜 Phosphor Bronze	nx1	电铸厚度: 整个表面厚度为30μM, 另电铸 80μM			
1	132-1021-001	晶圆 Wafer	PA9T(U94V-0)	1	绝			
序号	图号	名称	材料	数量	附注			
未 注 公 差			 新富尔电子		新富尔电子有限公司			
X." ±0.3" X.X" ±0.5"			单位	比例	Design Units	SIZE	1 OF 1	
$\phi 10$ 10-30 >30 $\phi 1.2$ 0.25 $\phi 1.3$			材料	图号	METRIC	A4	1英吋	
制作	审核	批准	数量	图号	006-1021-001	Part No	61021-*****1001	
赵婷婷 洪浙江		KOR	见图解	品 名	GH-nAWB			

FCC Statement

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.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Country Code selection feature to be disabled for products marketed to the US/Canada.

This device is intended only for OEM integrators under the following conditions:

1. The antenna must be installed such that 20 cm is maintained between the antenna and users, and
2. The transmitter module may not be co-located with any other transmitter or antenna,

Important Note:

This modular transmitter is only FCC authorized for FCC Part 15.247&15.407 as listed on the grant, and the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification. The final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed.

End Product Labeling

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: 2A3LP-MW50A

Table for Filed Antenna**For BT&BLE**

Antenna Type	PIFA Antenna
Antenna Gain	4.78dBi

For WIFI 2.4G &5G

Antenna Type	PIFA Antenna
Antenna Gain	2400MHz-2500MHz: Antenna A: 4.6dBi; Antenna B: 4.1dBi 5150MHz - 5250MHz: ANT A:5.35dBi; ANT B: 4.94dBi 5250MHz - 5350MHz: ANT A: 5.05dBi; ANT B:4.68dBi 5470MHz - 5725MHz: ANT A: 5.57dBi; ANT B: 4.88dBi 5725MHz - 5850MHz: ANT A: 5.59dBi; ANT B: 4.53dBi

ISED Statement

- English: This device complies with Industry Canada license-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. The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

- French: 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.

This radio transmitter (ISED certification number: 27906-MW50A) has been approved by Industry Canada to operate with the antenna types listed with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (ISED certification number: 27906-MW50A) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Radiation Exposure Statement

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé. Cet équipement doit être installé et utilisé à distance minimum de 20cm entre le radiateur et votre corps.

This device is intended only for OEM integrators under the following condition:

The transmitter module may not be co-located with any other transmitter or antenna.

As long as the condition above is met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes:

Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne.

Tant que les 1 condition ci-dessus sont remplies, des essais supplémentaires sur l'émetteur ne seront pas nécessaires. Toutefois, l'intégrateur OEM est toujours responsable des essais sur son produit final pour toutes exigences de conformité supplémentaires requis pour ce module installé.

In the event that these conditions cannot be met (for example certain laptop configurations or co-location with another transmitter), then the Canada authorization is no longer considered valid and the ISED cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate Canada authorization.

Note Importante:

Dans le cas où ces conditions ne peuvent être satisfaites (par exemple pour certaines configurations d'ordinateur portable ou de certaines co-localisation avec un autre émetteur), l'autorisation du Canada n'est plus considérée comme valide et l'ISED ne peut pas être utilisé sur le produit final. Dans ces circonstances, l'intégrateur OEM sera chargé de réévaluer le produit final (y compris l'émetteur) et l'obtention d'une autorisation distincte au Canada.

End Product Labeling

The final end product must be labeled in a visible area with the following: Contains IC: 27906-MW50A

Plaque signalétique du produit final

Le produit final doit être étiqueté dans un endroit visible avec l'inscription suivante: Contient des IC: 27906-MW50A

Manual Information to the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.

Manuel d'information à l'utilisateur final

L'intégrateur OEM doit être conscient de ne pas fournir des informations à l'utilisateur final quant à la façon d'installer ou de supprimer ce module RF dans le manuel de l'utilisateur du produit final qui intègre ce module.

Le manuel de l'utilisateur final doit inclure toutes les informations réglementaires requises et avertissements comme indiqué dans ce manuel.

The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems.

les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.