

SPECIFICATION FOR APPROVAL

CUSTOMER : Fujian ROVOS Fitness Co., Ltd.

PRODUCT NUMBER : _____

DESCRIPTION : JX-500-RYMK Bluetooth board

DATE : December 23, 2020

VERSION : V1.0

APPROVAL SIGNATURE	APPROVED BY	CHECKED BY	PREPARED BY
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Please return one specification or one copy of it with your chop and signature of approval and retain the Others for your record. In the event of an order being placed for this part number before the chop and signed with specification (or copy) is returned and without special explanation, it will be assumed that approval have been given.



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CATALOGUE

1.Scope of Application.....	3
2.Safety specification certification.....	3
3.Environment, protection function and safety.....	3
4.Product specification.....	3
5.Physical specifications (Product picture).....	3
6.Standard test conditions.....	4
7.Electrical performance test.....	4
8.PCB process requirements.....	4
9.PCBA REQUEST.....	4
10.Appearance and structure.....	5

1、APPLICATION SCOPE :

This specification contains a description of the electrical, structural, and safety aspects of the product and is applicable to jX-500-RYMK Bluetooth plates manufactured by the company.

2、Safety certification :

The Switch Mode Power Supply matches the following standard of safety:

Safety certification organization	Standard	File No.	Voltage range
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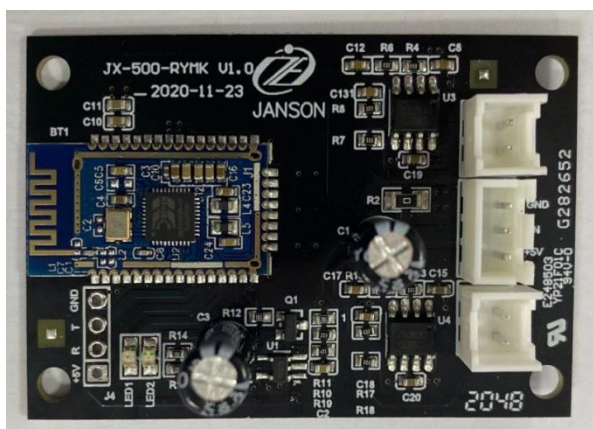
3、Environment, protect function and safeties :

Item	Condition	Min.	Std.	Max.	Unit	Test condition
Temperature	Operation temperature	-40	25	125	°C	
	Store conveyance temperature	-30	-	70	°C	
humidity	Operation humidity	10		90	%	
	Store conveyance humidity	10		90	%	

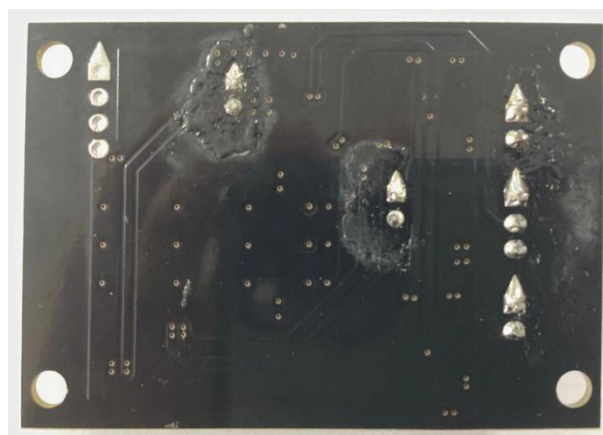
4、Product specification

Product model	JX-500-RYMK Bluetooth board
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5、Physical specifications(Product picture):



Front view



Back view

6、Standard test conditions:

Voltage	DC : 5V
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7、Electrical performance test:

During the temporary simple test in the sample stage, the J1 terminal is externally connected with DC5V power supply (note that the polarity of the power supply cannot be reversed), and the J2 and J3 terminals are externally connected with two speakers. After power on, the music is played through the mobile phone paired with Bluetooth. The sound quality is good when the music is played, there is no noise, and the volume of the left and right speakers is balanced, which is qualified.

8、PCB technological requirements:

PCB technological requirements			
Item	Specification description	Unit	Notes
Plate thickness	1.6	mm	
Plate size	58*40	mm	
Copper thickness	32	um	
Solder resist color	Black oil		
Technology	lead free tin spraying process		
Silk screen color	white		
PCB material	Double sided epoxy FR-4		
Flame Rating	94V-0		
PCB edition	V1.0		
PCB supplier	Yiyang、Yongsheng		

9、PCBA Requirement:

The PCBA adopts double-sided epoxy plate FR-4 and lead-free tin spraying process.

- a、PCBA appearance dimension meets the requirements;
- b、Backing welding of all components;
- c、All materials meet ROHS requirements;

In order to prevent electron migration, please keep the appearance of the main body in good condition, and the solder joints are smooth and full without false soldering, tin and tin dross. The wire surface is free of damage, and the color and connector specification meet the requirements.

10、Appearance and construction :

12.1 The integral structure shall meet the specified requirements for various uses, and shall be heat-resistant, moisture-proof, earthquake-resistant and comply with safety regulations.。

12.2 Cooling method, the nature cooling.

2.2 List of applicable FCC rules

FCC Part 15.247

2.6 RF exposure considerations

This module certified that complies with RF exposure requirement under 5mm RF distance.

2.8 Label and compliance information

FCC ID label on the final system must be labeled with "Contains FCC ID: 2A5MA-JX500" or "Contains transmitter module FCC ID: 2A5MA-JX500".

2.9 Information on test modes and additional testing requirements

Contact Xiamen Janson Elec.Co.,Ltd will provide stand-alone modular transmitter test mode. Additional testing and certification may be necessary when multiple modules are used in a host.

2.10 Additional testing, Part 15 Subpart B disclaimer

To ensure compliance with all non-transmitter functions the host manufacturer is responsible for ensuring compliance with the module(s) installed and fully operational. For example, if a host was previously authorized as an unintentional radiator under the Supplier's Declaration of Conformity procedure without a transmitter certified module and a module is added, the host manufacturer is responsible for ensuring that the after the module is installed and operational the host continues to be compliant with the Part 15B unintentional radiator requirements. Since this may depend on the details of how the module is integrated with the host, Xiamen Janson Elec.Co.,Ltd shall provide guidance to the host manufacturer for compliance with the Part 15B requirements.

FCC Warning

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.

NOTE 1: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance.

Note 1: This module certified that complies with RF exposure requirement under 5mm RF distance.

Note 2: Any modifications made to the module will void the Grant of Certification, this module is limited to OEM installation only and must not be sold to end-users, end-user has no manual instructions to remove or install the device, only software or operating procedure shall be placed in the end-user operating manual of final products.

Note 3: The module may be operated only with the antenna with which it is authorized. Any antenna that is of the same type and of equal or less directional gain as an antenna that is authorized with the intentional radiator may be marketed with, and used with, that intentional radiator.