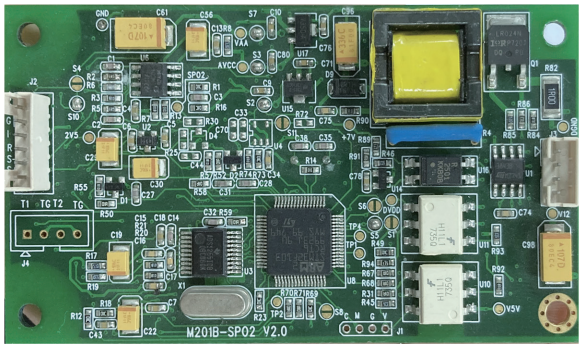
Pulse Arterial Oxygen Saturation
Module MISPO2

The MISPO2 module is used to monitor the patient's pulse oximetry, pulse, and perfusion index



Dimension： 88.9mm×50.8mm×7mm

SPO2 PR PI PVI

Features

> With the monitoring function of pulse oxygen, pulse rate, perfusion index and variation index

> Patient model: adult, child and newborn

> Real-time transmission module working status: hardware status, software status and sensor status

> It has the function of setting the average time of calculation parameters, and obtains the response time of different calculation parameters

> When the blood perfusion index is as low as 0.075%, the measurement is accurate and reliable, which can meet the application of surgery and ICU

> Adopt advanced anti-motion algorithm, with strong anti-motion performance

Specifications

SPO2

Range: 0~100%

Accuracy: ±2%(70%~100%)

Undefined(0~69%)

Resolution: 1%

PR

Range: 25~300bpm

Accuracy: ±3bpm

Resolution: 1bpm

PI

Range: 0~20%

Accuracy: Undefined

Resolution: 0.001%

PVI

Range: 100%

Accuracy: Undefined

Resolution: 1%

Electical Specification

Power supply	DC.12V±10%	
Power consumption	≤2W	
Communication	TTL,USART	
Temperature	Operating 0°C~ 70°C	Storage -40°C~ 70°C

Compliance

Standard	ISO 80601-2-61: 2017
	IEC 60601-1-2:2014

Dimensions

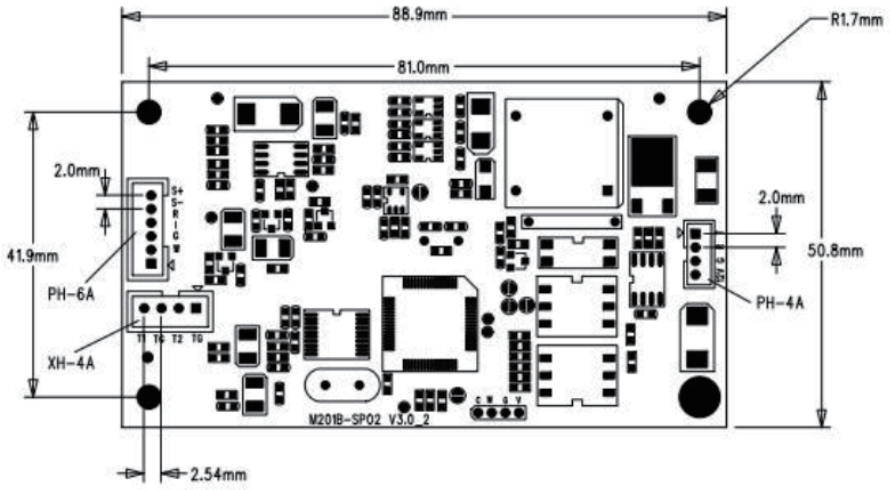


Figure 1 Top view of SpO2 circuit board

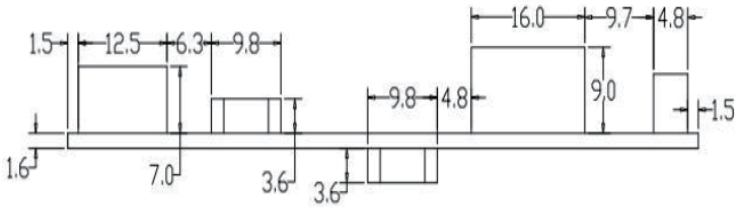
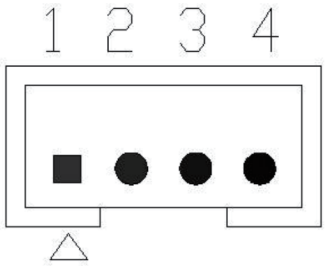


Figure 2 Front view of SpO2 board

Interfaces

Power and Communication Interface



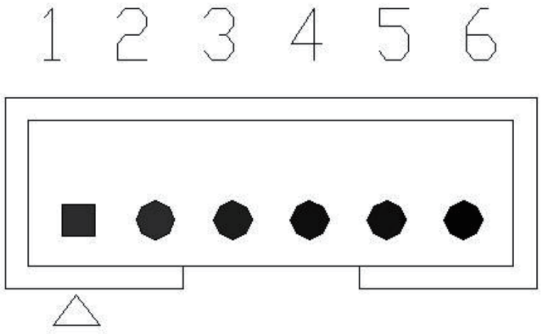
Note 1: TXD is the data interface sent by the LowPulseStr blood oxygen module to the host, in TTL level mode.

Note 2: The pin pitch is 2.0mm

The pin definitions of the power and communication interface socket (J3) are as follows:

Pin No	Signal	Description
1	*TXD*	*UART Sending data from module to host*
2	*RXD*	*UART Receiving data from host to the module*
3	*GND*	*12V battery ground*
4	*+12V*	*Power Supply input 12V DC*

SpO2 probe interface

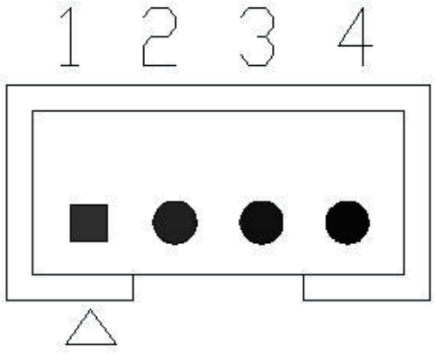


Note 1: The pin pitch is 2.0mm

The pin definitions of the SpO2 interface socket (J2) are as follows:

Pin No	Signal	Description
1	*1_WIRE*	*Probe identification signal line*
2	*GND*	*Power ground*
3	*IR*	*IR LED positive*
4	*RED*	*RED LED positive*
5	*SPO2-*	*Light Signal Negative Electrode*
6	*SPO2+*	*Light Signal Positive Electrode*

Temperature probe interface

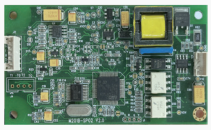


Note 1: Pin pitch is 2.54mm

The temperature probe interface socket (J4) pins are defined as follows:

Pin No	Signal	Description
1	*TEMP1*	*Temperature sensor 1, positive terminal*
2	*TGND*	*Temperature sensor 1, reverse side*
3	*TEMP2*	*Temperature sensor 2, positive terminal*
4	*TGND*	*Temperature sensor 2, reverse side*

Purchase Guider - 1

Code	Name	Quantity	Description	Image
022-040201-00	**MISPO2 board**	x1		
009-030108-00	**Internal Cable with ODU connector**	x1	Connect to M201B	
041-009001-00	**External Cable ODU**	Optional	Connect to ODU connector	
041-002004-01	**SPO2 probe Finger adult** Applicable to adult	Optional	Connect to External Cable	
041-002005-01	**SPO2 probe Finger child** Applicable to child	Optional	Connect to External Cable	
041-002009-00	**SPO2 probe warp** Applicable to Infant	Optional	Connect to External Cable	
041-002030-00	**Disposable SPO2 cable** Non-adhesive	Optional	Connect with SPO2 cable	
041-002006-01	**Disposable SPO2 cable** Adhesive foam	Optional	Connect with SPO2 cable	
041-007002-00	**Disposable SPO2 cable** Adhesion	Optional	Connect with SPO2 cable	

* The data is subject to change without notice. Please refer to the manual for the contraindications and precautions

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