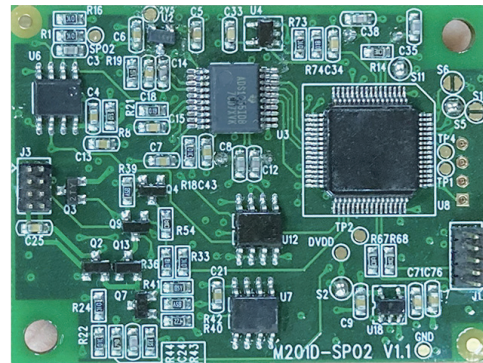
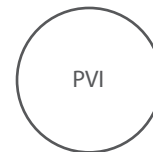
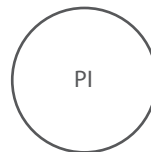
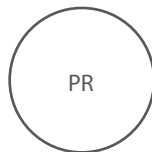


Pulse Arterial Oxygen Saturation **Module MSPO2**

The MSPO2 module is used to monitor the patient's pulse oximetry, pulse, and perfusion index



Dimension : 51 mm × 38.1 mm × 7 mm



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: $\pm 2\%$ (70%~100%)

Undefined(0~69%)

Resolution: 1%

PR

Range: 25~300bpm

Accuracy: ± 3 bpm

Resolution: 1bpm

PI

Range: 0~20%

Accuracy: Undefined

Resolution: 0.001%

PVI

Range: 100%

Accuracy: Undefined

Resolution: 1%

Electical Specification

Power supply DC.5V $\pm 2\%$

Power consumption ≤ 1 W

Communication TTL,USART

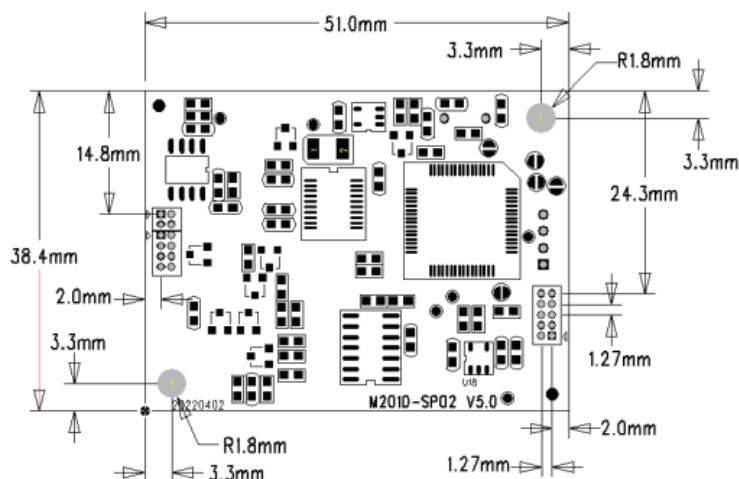
Temperature Operating 0°C~ 70°C Storage -40°C~ 70°C

Compliance

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

Dimensions

The board dimensions are given in millimeters.



Interfaces

J3 interface

The J3 interface socket pins are defined as follows:

Pin No	Signal	Description
1	SpO2-	Photodetection Negative Electrode Input
2	SpO2+	Photodetection positive electrode input
3	GND	Ground
4	GND	Ground
5	NC	not connected (reserved)
6	PROBE	Sensor identification
7	IR	Infrared driven positive electrode
8	RED	Red light drives the positive electrode

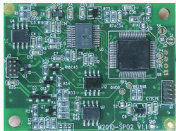
J1 interface

The J1 interface socket pins are defined as follows:

Pin No	Signal	Description
1	NC	not connected (reserved)
2	NC	not connected (reserved)
3	TXD1	Communication side (outgoing)
4	RXD1	Communication side (accept)
5	GND	ground
6	NC	not connected (reserved)
7	NC	not connected (reserved)
8	AVCC	5V power input
9	NC	not connected (reserved)
10	GND	ground

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

Purchase Guider - 1

Code	Name	Quantity	Description	Image
022-040304-00	MSPO2 board	x1		
009-030108-00	Internal Cable with ODU connector	x1	Connect to M201D board	
041-009001-00	External Cable ODU	Optional	Connect to ODU connector	
041-002004-01	SPO2 probe adult Applicable to adult	Optional	Connect to External Cable	
041-002005-01	SPO2 probe 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	

Purchase Guider - 2

Code	Name	Quantity	Description	Image
022-040303-00	MSPO2 board	x 1		
/	Internal Cable PCB	x 1		
/	External Cable WITLEAF connector	x 1		
041-002004-01	SPO2 probe adult Applicable to adult	Optional	Connect to External Cable	
041-002005-01	SPO2 probe child Applicable to child	Optional	Connect to External Cable	
041-002009-00	SPO2 probe warp Applicable to Infant	Optional	Connect to External Cable	
041-002004-01	Disposable SPO2 cable Non-adhesive	Optional	Connect with SPO2 cable	
041-002005-01	Disposable SPO2 cable Adhesive foam	Optional	Connect with SPO2 cable	
041-002009-00	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