

Sensor Module - IAGCO2

Carbon Dioxide Sensor Module



HIGHLIGHT FEATURES

- High precision CO2 detection
- Fast response and recovery time
- Low power consumption (<100mW) with high efficiency
- Wide Operating Range : -10°C to 50°C and 15% to 90% humidity
- Seamless integration via I²C communication protocol, plug-and-play support
- Durable and maintenance-free operation

SPECIFICATIONS

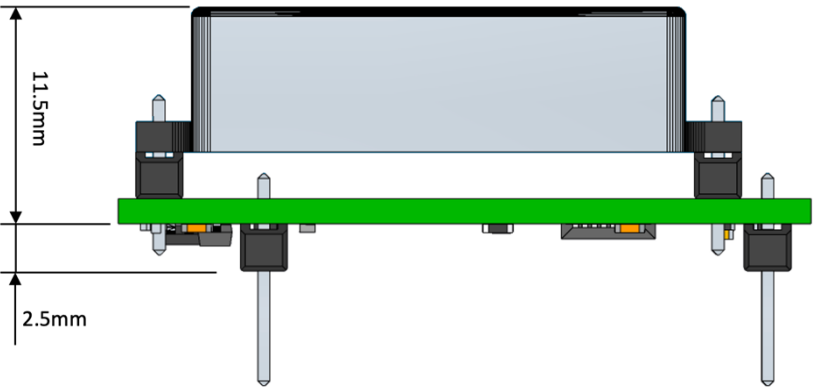
Model Name	IAGCO2
Detection	Carbon Dioxide (CO2)
Principle	Non-dispersive Infrared (NDIR)
Measurement Range (ppm)	0 ~ 5000
Resolution (ppm)	1
Accuracy (ppm)	±50±3% of Reading
Response Time (T90) (sec)	<120
Operating Temperature	-10°C ~ 50°C (Ta)
Operating Humidity (%RH)	15 ~ 90
Expected Operating Life	3 Years
Power Supply (V)	VDD : 4.8 ~ 5.2 VDDIO : 3.1 ~ 3.5
Power Consumption (mW)	150
Interface	I ² C
Dimension (L x W x H/mm)	37 x 21 x 14

ORDER INFO.

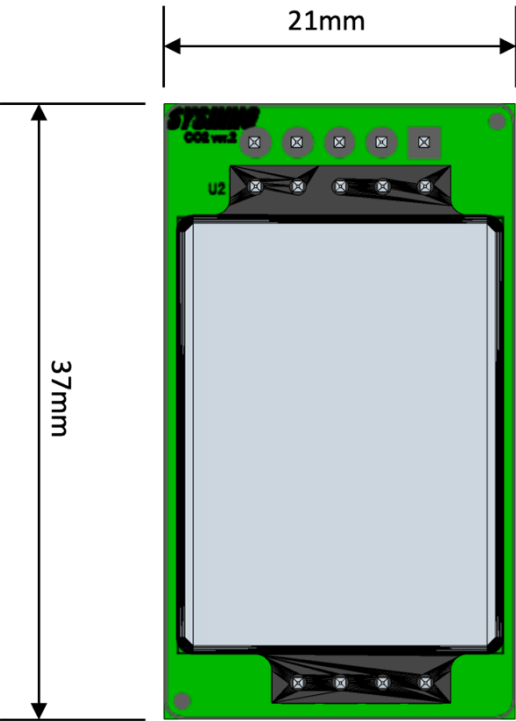
P/N	Description
EA3-2AASMM0CI03S4	IAGCO2 CO2 Sensor Module

MECHANICAL DRAWING

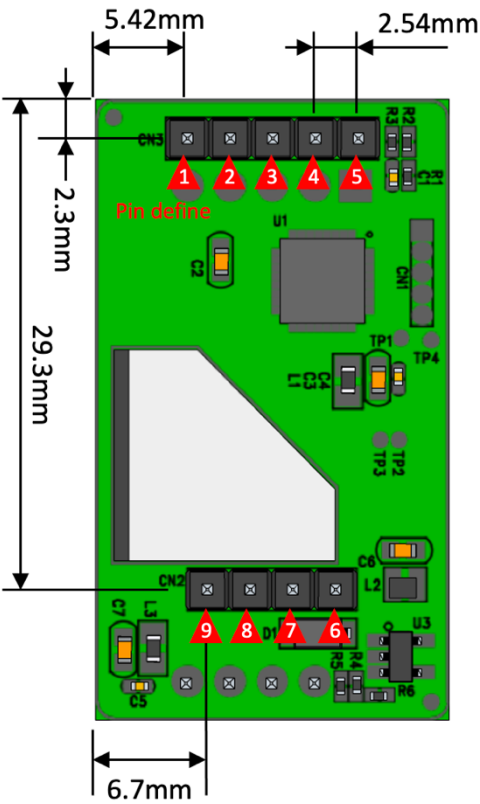
Slide View



Top View



Bottom View



PIN DEFINE



CN3

CN2

CN2 1 x 4 Pin Header	
Pin	Signal
1	GND
2	NC
3	NC
4	VDD

CN3 1 x 5 Pin Header	
Pin	Signal
1	VDD
2	SDA
3	SCL
4	GND
5	RSTn

