

Sensor Module - IAGM1

IAGM1 HCHO Sensor Module



HIGHLIGHT FEATURES

- Fast response and recovery time
- High stability & long lifespan
- Cost-effective with high performance
- Wide operating range : -10°C to 50°C and 15% to 90% humidity
- Hassle-free operation
- On-chip data processing
- No external libraries required

SPECIFICATIONS

Model Name	IAGM1
Detection	Formaldehyde (HCHO)
Principle	Electrochemical
Measurement Range (ppm)	0.01 ~ 5
Resolution (ppm)	0.01
Accuracy (ppm)	±0.02±10% of Reading
Response Time (T90) (sec)	<30
Operating Temperature	-10°C ~ 50°C (Ta)
Operating Humidity (%RH)	15 ~ 90
Expected Operating Life	3 Years
Power Supply (V)	3.1 ~ 3.5
Power Consumption (mW)	<100
Interface	I ² C
Dimension (L x W x H/mm)	32 x 25 x 10

ORDER INFO.

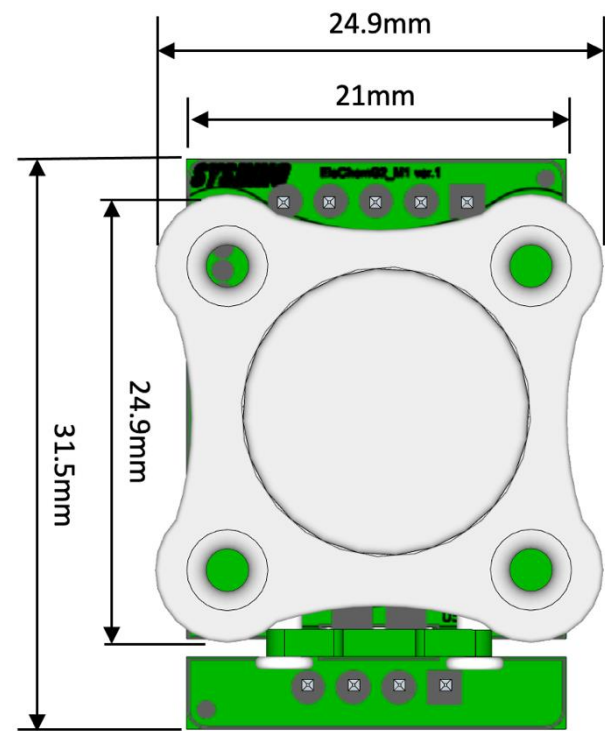
P/N	Description
EA3-2AASMM40I12D0	IAGM1 HCHO Sensor Module

MECHANICAL DRAWING

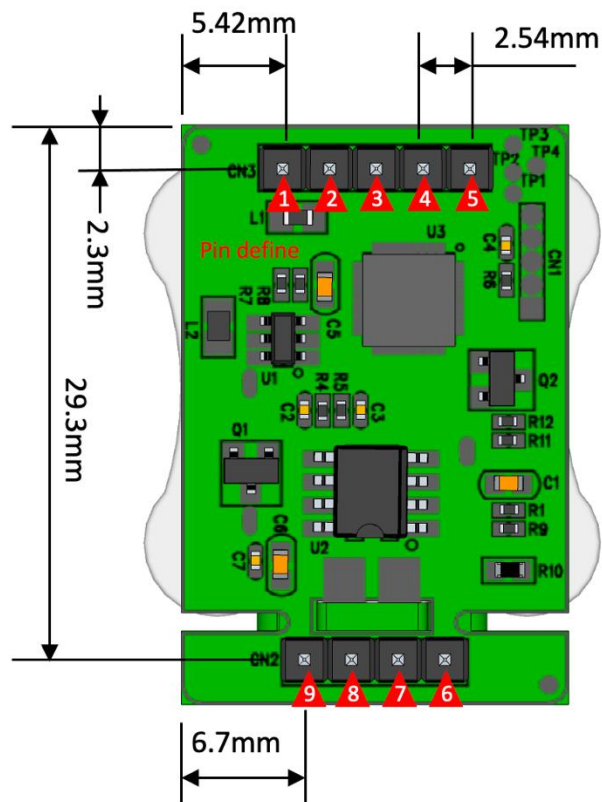
Slide View



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

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