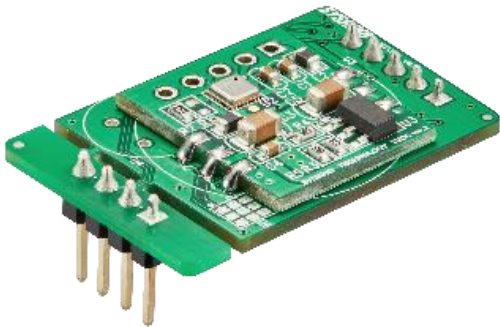


Sensor Module - IAGVOC

Total Volatile Organic Compounds (TVOC)

HIGHLIGHT FEATURES

- High precision TVOC 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	IAGVOC
Detection	Total Volatile Organic Compounds (TVOC)
Principle	MEMS
Measurement Range (ppm)	0 ~ 60
Resolution (ppm)	0.01
Accuracy (ppm)	±0.1±10% of Reading
Response Time (T90) (sec)	<10
Operating Temperature	-10°C ~ 50°C (Ta)
Operating Humidity (%RH)	15 ~ 90
Expected Operating Life	1 Year
Power Supply (V)	3.1 ~ 3.5
Power Consumption (mW)	<100
Interface	I ² C
Dimension (L x W x H/mm)	32 x 21 x 7

ORDER INFO.

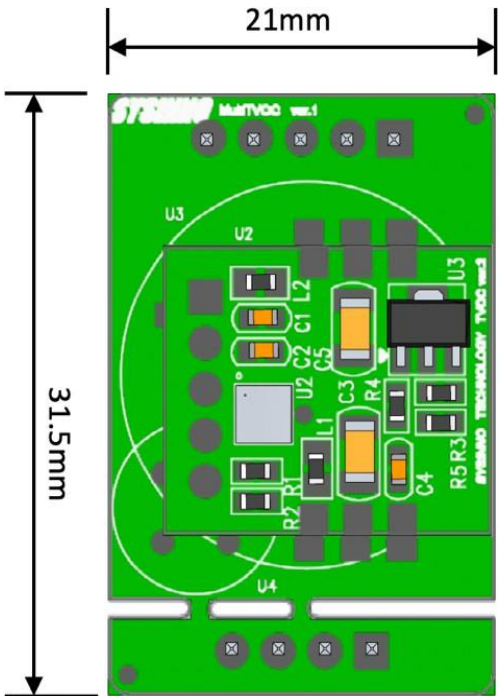
P/N	Description
EA3-2AASMM20I12A0	IAGVOC TVOC Sensor Module

MECHANICAL DRAWING

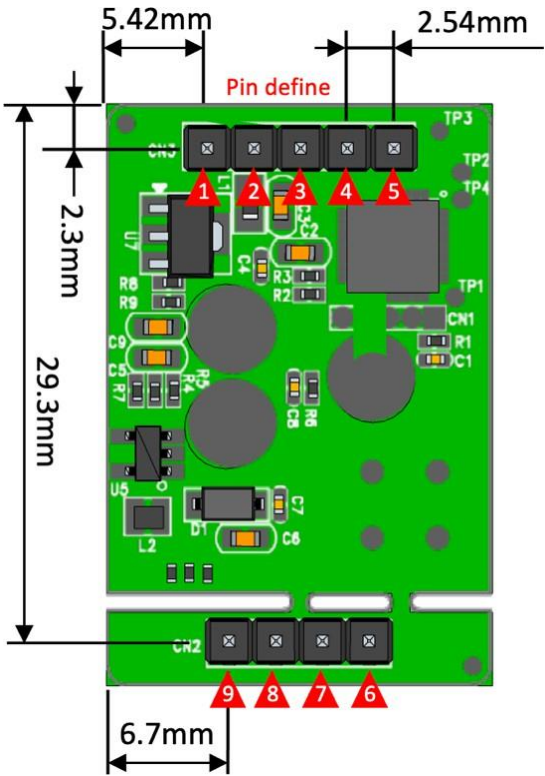
Side View



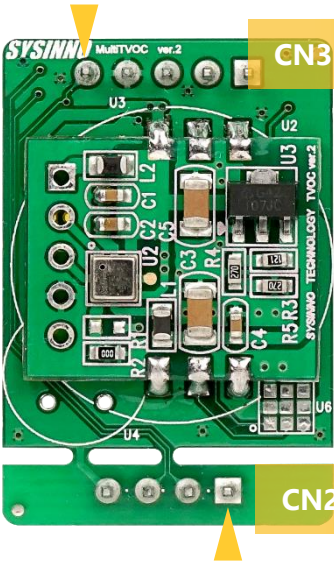
Top View



Bottom View



PIN DEFINE



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

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