SM4291-BCE-T-005-001 ✔ ACTIVE

MEAS | SMI 4000

TE Internal #: 4291-BCE-T-005-001

Analog Pressure Sensor Modules / Digital Pressure and Altimeter Sensor Modules, Gauge, 5 psi, 10 – 90% Vdc / 16 bit I2C, SMI 4000

View on TE.com >

Sensors > Pressure Sensors > Board Mount Pressure Sensors > Medium Pressure Digital / Analog Sensor



Pressure: **[5 psi]**

Pressure Sensor Type: **Analog Pressure Sensor Modules, Digital Pressure and Altimeter Sensor Modules**

Pressure Type: **Gauge**

Proof Pressure Range: **25 psi**

Output Signal Type: **10 – 90% Vdc, 16 bit I2C**

All Medium Pressure Digital / Analog Sensor (9)

Features

Product Type Features

Sensor Package	SOIC-16
Pressure Sensor Type	Analog Pressure Sensor Modules, Digital Pressure and Altimeter Sensor Modules
Pressure Type	Gauge

Electrical Characteristics

Supply Voltage Range	5 V

Dimensions

Product Width	10.31 mm[.405 in]
Product Length	10.26 mm[.403 in]
Product Height	9.32 mm[.366 in]

Usage Conditions

	5 psi
Operating Temperature Range	-20 – 85 °C[-4 – 185 °F]

Operation/Application

Output Interface	I²C
Proof Pressure Range	25 psi

Output Signal Type	10 – 90% Vdc, 16 bit I2C
Pressure Accuracy	±1.5% F.S, ±1% F.S

Packaging Features

Sensor Port Configuration	Dual Vertical

Other

Sensor Options	Barb Tube, Dual Output

Product Compliance

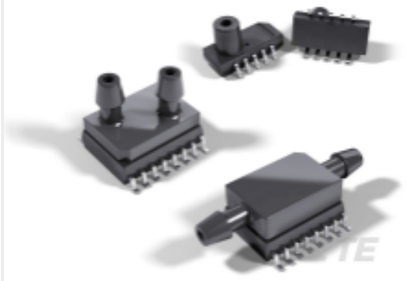
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

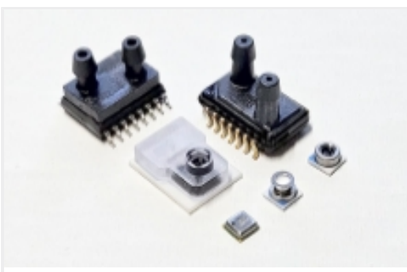
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts



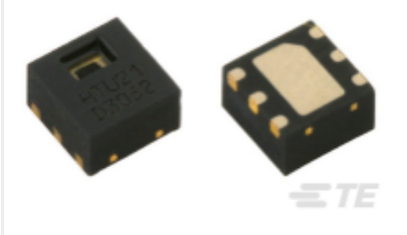
TE Part # CAT-BLPS0064
Medium Pressure Digital / Analog Sensor

Also in the Series | SMI 4000



Board Mount Pressure Sensors(8)

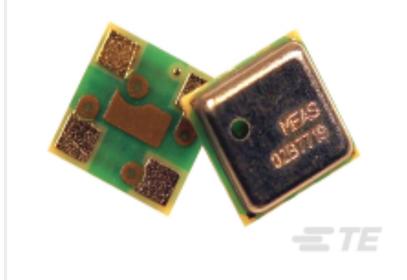
Customers Also Bought



TE Part #HPP845E031R4
I.C 21D RH/T B400



TE Part #MS560702BA03-50
MS5607-02BA SS CAP ALTIMETER T&R



TE Part #MS563702BA03-50
2 BAR INDUSTRIAL ALTIMETER SENSOR



TE Part #MS561101BA03-50
MS5611 BAROMETRIC SENSOR CM T&R



TE Part #1437566-4
FSMSMTR=TACT SWITCH



TE Part #1625854-1
1206 PROBE PAD



TE Part #1-1734248-5
1.0 FPC, ZIF V/T, SMT, 15P



TE Part #9-1879333-1
CPF0402 200K 0.1% 25PPM 5K RL



TE Part #1-2199230-6
M.2 0.5PITCH 4.2H KEY M 30U AU



TE Part #5-2301995-4
RJ45 JACK INT.MAG. 1GB LED 1X1 VERT.

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4291-BCE-T-005-001_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4291-BCE-T-005-001_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4291-BCE-T-005-001_1.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

SM4000SM1000

English