



MEAS | SMI 9000

TE Internal #: 9233-BCE-T-300-000

TE Internal Description: 300PA DIFF. DIGITAL PRESSURE SENSOR

Ultra-low Pressure Digital Sensor

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Sensors > Pressure Sensors > Board Level Pressure Sensors > Ultra-low Pressure Digital Sensor



Proof Pressure Range: **.07 bar**

Pressure: **2.27 mmHG**

Board Level Pressure Sensor Type: **Digital Pressure and Altimeter Sensor Modules**

[All Ultra-low Pressure Digital Sensor \(41\)](#)

Features

Product Type Features

Board Level Pressure Sensor Type	Digital Pressure and Altimeter Sensor Modules
Board Level Pressure Sensor Style	Gage

Configuration Features

Tubes	Barb Tube
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Electrical Characteristics

Board Level Pressure Sensor Supply Voltage	3.3 – 5 V
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Dimensions

Dimensions	10.26 x 10.31 mm [.40 x .41 in]
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Usage Conditions

Pressure	.003 bar [.044 psi]
Operating Temperature Range	-20 – 85 °C [-4 – 185 °F]

Operation/Application

Output Interface	I ² C
Proof Pressure Range	.07 bar
Pressure	2.27 mmHG
Output/Span	16 bit I2C

Packaging Features



Package Style	Dual Vertical
Board Level Pressure Sensor Package	SOIC-16

Other

Options	Increased Accuracy
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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	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Candidate List Declared Against: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed
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



Also in the Series | SMI 9000



Board Level Pressure Sensors(41)

Customers Also Bought

TE Part #MS563702BA03-50
2 BAR INDUSTRIAL ALTIMETER SENSOR

TE Part #G-NICO-018
0.1 DEG C ACCURACY QFN TEMP SENSOR

TE Part #1437566-4
FSMSMTR=TACT SWITCH

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

TE Part #1625854-1
1206 PROBE PAD

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

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

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

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_9233-BCE-T-300-000_1.2d_dxf.zip](#)

[English](#)

[Customer View Model](#)



[ENG_CVM_CVM_9233-BCE-T-300-000_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_9233-BCE-T-300-000_1.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SM9000](#)

English