



MEAS | SMI 5000

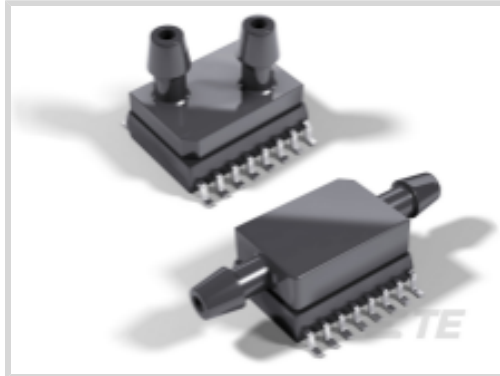
TE Internal #: 5391-BCE-S-012-001

TE Internal Description: 100cmH2O Differential Sensor

Low Pressure Digital / Analog Sensor

[View on TE.com >](#)

Sensors > Pressure Sensors > Board Level Pressure Sensors > Low Pressure Digital / Analog Sensor



Proof Pressure Range: 12 psi

Pressure: 129.28 mmHG

Board Level Pressure Sensor Type: Analog Pressure Sensor Modules, Digital Pressure and Altimeter Sensor Modules

[All Low Pressure Digital / Analog Sensor \(85\)](#)

Features

Product Type Features

Board Level Pressure Sensor Type	Analog Pressure Sensor Modules, Digital Pressure and Altimeter Sensor Modules
Board Level Pressure Sensor Style	Differential

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	.172 bar [2.5 psi]
Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]

Operation/Application

Output Interface	I ² C
Proof Pressure Range	12 psi
Pressure	129.28 mmHG
Output/Span	10 – 90% Vdc, 16 bit I2C
Board Level Pressure Sensor Accuracy	±1% F.S, ±1.5% F.S



Packaging Features

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

Other

Options	Dual Output
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

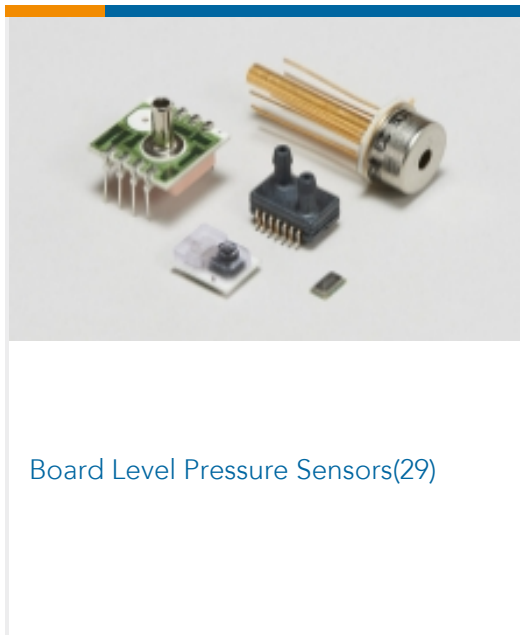
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 5391-BCE-T-012-001
12kPa Differential Sensor

Also in the Series | SMI 5000



Board Level Pressure Sensors(29)

Customers Also Bought



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



TE Part #MS563702BA03-50
2 BAR INDUSTRIAL ALTIMETER
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_5391-BCE-S-012-001_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5391-BCE-S-012-001_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5391-BCE-S-012-001_1.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[SM7000SM6000SM5000](#)

English