



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



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

Pressure Type: **Gauge**

Proof Pressure Range: **.07 bar**

Output Signal Type: **16 bit I2C**

Pressure Accuracy: **±2.5% F.S**

[All Ultra-low Pressure Digital Sensor \(24\)](#)

Features

Product Type Features

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

Operation/Application

Proof Pressure Range	.07 bar
Output Signal Type	16 bit I2C
Pressure Accuracy	±2.5% F.S
Output Interface	I²C

Electrical Characteristics

Supply Voltage Range	5 V
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Usage Conditions

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

Sensor Options	Barb Tube, No Option
EU RoHS Compliance	Compliant



EU ELV Compliance	Compliant
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Dimensions

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

Packaging Features

Sensor Port Configuration	Dual Vertical
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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	Compliant
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: JUNE 2024 (241) 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-BLPS0062
Ultra-low Pressure Digital Sensor

Also in the Series | SMI 9000



Board Mount Pressure Sensors(24)

Customers Also Bought



TE Part #2-36151-2
PIDG R 22-16 COMM 22-18MIL 6



TE Part #T4161320005-002
RPC-M12-FS-5CON-PUR-1.0SH



TE Part #T4171230012-001
M12 Panel Mount Wire



TE Part #36189
BUDG R 22-16 COMM 22-18 MIL 4



TE Part #1-1337445-0
BNC Str PCB Skt 50Ohm Silver P



TE Part #ANT-DB1-LPD-125
Antenna Dipole Swivel 2.4/5.8GHz UFL



TE Part #7391-BCE-S-005-000
5InchesH2O Differential Sensor



TE Part #TAA751A1611-007
M12A5-MS-PVC-10.0M

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9235-BCE-S-300-002_1.2d_dxf.zip

English



Customer View Model

[ENG_CVM_CVM_9235-BCE-S-300-002_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_9235-BCE-S-300-002_1.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SM9000](#)

English