

LMIS100BB3S

✓ ACTIVE

First Sensor | First Sensor LMI

TE Internal #: 1010387-F

Digital Pressure and Altimeter Sensor Modules, Differential, -1 – 1 mbar [.401 inH2O], .75 mmHG, .014 psi [.001 bar], ± 0.5% F.S, First Sensor LMI

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Sensors > Pressure Sensors > Board Mount Pressure Sensors > LMI - Digital Low Diff Pressure Sensors



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

Board Level Pressure Sensor Style: **Differential**

Pressure: **.75 mmHG**

Proof Pressure Range: **2 bar**

[All LMI - Digital Low Diff Pressure Sensors \(29\)](#)

Features

Product Type Features

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

Configuration Features

Leads/Pins	SMD Pads
Tubes	Short Tube

Electrical Characteristics

Board Level Pressure Sensor Supply Voltage	2.7 – 3.6 V
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Dimensions

Dimensions	17.6 x 11.2 x 8.9 mm[.69 x .44 x .35 in]
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Usage Conditions

Pressure	.001 bar[.014 psi]
Operating Temperature Range	-20 – 80 °C[-4 – 176 °F]

Operation/Application

Output Interface	I ² C
Pressure	.75 mmHG



Proof Pressure Range	2 bar
Board Level Pressure Sensor Accuracy	± 0.5% F.S

Packaging Features

Package Style	Dual Horizontal
Board Level Pressure Sensor Package	8 pin SMD

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

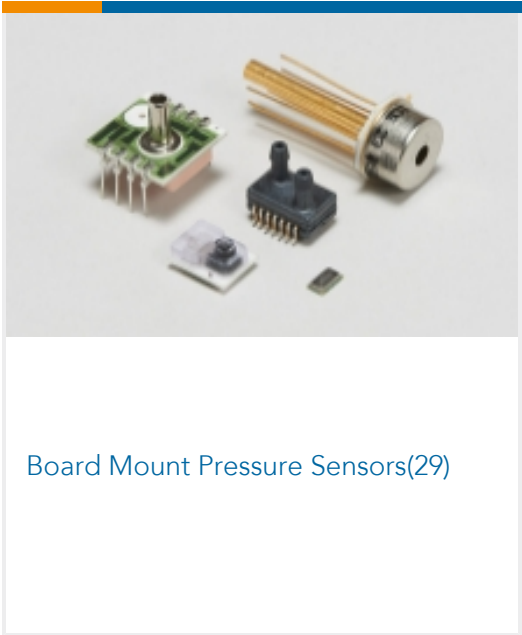
Product Compliance Disclaimer

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 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



Also in the Series | First Sensor LMI



Customers Also Bought



Documents

CAD Files

Customer View Model

ENG_CVM_CVM_1010387-F_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1010387-F_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1010387-F_1.2d_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages



LMI Series - Digital Low Differential Pressure Sensors

English