



MEAS | SMI 4000

TE Internal #: 4291-HGE-S-500-000

Digital Pressure and Altimeter Sensor Modules / Analog Pressure Sensor Modules, Gauge, -500 mbar, Output/Span 16 bit I2C / 10 – 90% Vdc, SMI 4000

[View on TE.com >](#)

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



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

Board Level Pressure Sensor Style: **Gauge**

Pressure: **-500 mbar**

Proof Pressure Range: **25 psi**

Output/Span: **10 – 90% Vdc, 16 bit I2C**

[All Medium Pressure Digital / Analog Sensor \(11\)](#)

Features

Product Type Features

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

Configuration Features

Tubes	Barb Tube
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Electrical Characteristics

Board Level Pressure Sensor Supply Voltage	3 V
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Dimensions

Dimensions	9 x 6.1 mm [.35 x .24 in]
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Usage Conditions

Operating Temperature Range	-20 – 85 °C [-4 – 185 °F]
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Operation/Application

Output Interface	I2C
Pressure	-500 mbar
Proof Pressure Range	25 psi
Output/Span	10 – 90% Vdc, 16 bit I2C



Board Level Pressure Sensor Accuracy	±1% F.S, ±1.5% F.S
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Packaging Features

Package Style	Single Vertical
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Board Level Pressure Sensor Package	SOIC-10
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Other

Sensor 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	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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Halogen Content	Not Yet Reviewed for halogen content
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Solder Process Capability	Not reviewed for solder process capability
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Product Compliance Disclaimer

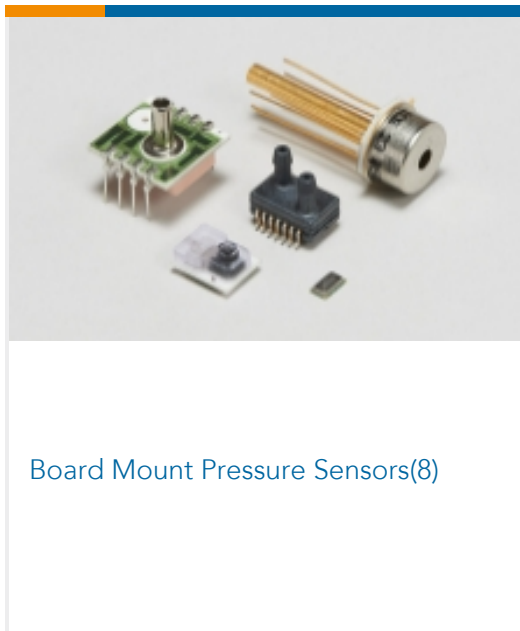
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 #3-1461491-3
PCN-112D3MHZ,000



TE Part #1-1415899-1
RZ01-1C4-D024



TE Part #9-1879501-1
CRGH2512 5% 5K6 2W



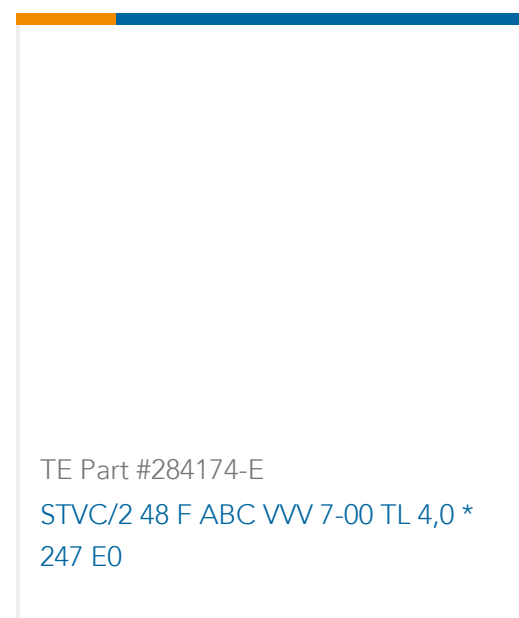
TE Part #5053394020
RNF-100-2-0-SP



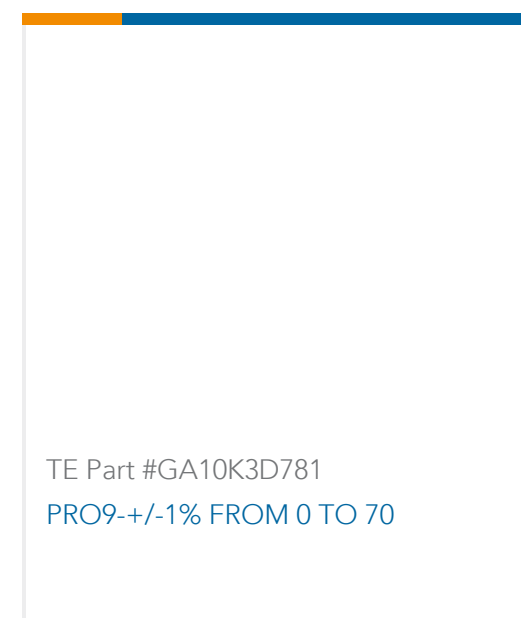
TE Part #1-725996-2
110 FASTON,FLAG,PCB TAB,TPBR



TE Part #9541-020C-D-C-3-S
PRESSURE I2C 0.3PSID SO16



TE Part #284174-E
STVC/2 48 F ABC VV 7-00 TL 4,0 *
247 E0



TE Part #GA10K3D781
PRO9-+/-1% FROM 0 TO 70

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_4291-HGE-S-500-000_1.2d_dxf.zip](#)

English



Customer View Model

[ENG_CVM_CVM_4291-HGE-S-500-000_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4291-HGE-S-500-000_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