

5525DSO-SB005GS

✓ ACTIVE

MEAS | MEAS MS5525DSO

TE Internal #: 5525DSO-SB005GS

Digital Pressure and Altimeter Sensor Modules, Gauge, 5 psi, 24 bit ADC, ±0.5 %FSS Pressure Accuracy, Supply Voltage Range 1.8 – 3.6 V, MEAS MS5525DSO

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Sensors > Pressure Sensors > Board Mount Pressure Sensors > DIGITAL SMALL OUTLINE PRESSURE SENSOR



Pressure Sensor Type: Digital Pressure and Altimeter Sensor Modules

Pressure Type: Gauge

Proof Pressure Range: 60 psi

Pressure: [5 psi]

Output Signal Type: 24 bit ADC

[All DIGITAL SMALL OUTLINE PRESSURE SENSOR \(10\)](#)

Features

Product Type Features

Sensor Package	SOIC-14
Leg Style	Gull Wing
Pressure Sensor Type	Digital Pressure and Altimeter Sensor Modules
Pressure Type	Gauge

Electrical Characteristics

Supply Voltage Range	1.8 – 3.6 V
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Dimensions

Product Width	7.9 mm[.311 in]
Product Length	12.5 mm[.492 in]
Product Height	9.7 mm[.381 in]

Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
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Operation/Application

Output Interface	I²C and SPI (Mode 0, 3)
Proof Pressure Range	60 psi



	5 psi
Output Signal Type	24 bit ADC
Pressure Accuracy	±0.5 %FSS

Packaging Features

Sensor Port Configuration	Single Barb
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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: JUL 2021 (219) 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





Also in the Series | MEAS MS5525DSO

Board Mount Pressure Sensors(10)

Customers Also Bought

TE Part #1-1622820-0
3520 15R 5%

TE Part #4-1879378-1
TLR 2512 2.0W R0025 1% 150PPM 2K RL

TE Part #T4141012081-000
M12,REAR MOUNT,FEMALE,A,8P,
SOLDER PCB

TE Part #5-104074-1
10 SYSTEM 50 HDR SRRA SHRD SN

TE Part #640445-5
05P MTA156 HDR ASSY FL/STR SN

TE Part #5212044-1
5 CIRC DIN RCPT GRND SHLD

TE Part #1879417-5
CPF0603 750K 0.1% 25PPM 5K RL

TE Part #4291-BCE-S-005-000
5 PSI Gauge Sensor

TE Part #3-2176422-0
TLRP 2512 3.0W R040 1% 25PPM 4K RL

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

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5525DSO-SB005GS_B.2d_dxf.zip

English

Customer View Model



[ENG_CVM_CVM_5525DSO-SB005GS_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5525DSO-SB005GS_B.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[MS5525DSO](#)

English

Product Specifications

[MS5525DSO Series Surface Models](#)

English