

MS563702BA03-50

✓ ACTIVE

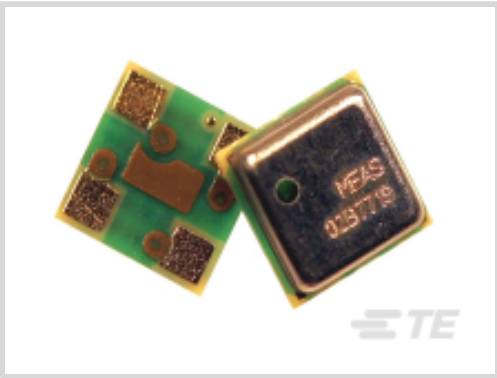
MEAS | MEAS MS5637

TE Internal #: MS563702BA03-50
Digital Pressure and Altimeter Sensor Modules, Absolute, 24 bit
ADC, ±4mbar Pressure Accuracy, 1.5 – 3.6 V Supply Voltage Range,
MEAS MS5637

[View on TE.com >](#)



Sensors > Pressure Sensors > Board Mount Pressure Sensors > INDUSTRIAL ALTIMETER PRESSURE SENSOR



Pressure Sensor Type: **Digital Pressure and Altimeter Sensor Modules**
Pressure Type: **Absolute**
Output Signal Type: **24 bit ADC**
Pressure Accuracy: **±4mbar**
Supply Voltage Range: **1.5 – 3.6 V**

[All INDUSTRIAL ALTIMETER PRESSURE SENSOR \(1\)](#)

Features

Product Type Features

Sensor Package	Surface Mountable
Pressure Sensor Type	Digital Pressure and Altimeter Sensor Modules
Pressure Type	Absolute

Electrical Characteristics

Supply Voltage Range	1.5 – 3.6 V
----------------------	-------------

Dimensions

Product Width	3 mm[.118 in]
Product Length	3 mm[.118 in]
Product Height	.9 mm[.035 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
-----------------------------	---------------------------

Operation/Application

Resolution	.016
Output Signal Type	24 bit ADC
Pressure Accuracy	±4mbar



Other

Sensor Options	No Option
----------------	-----------

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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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

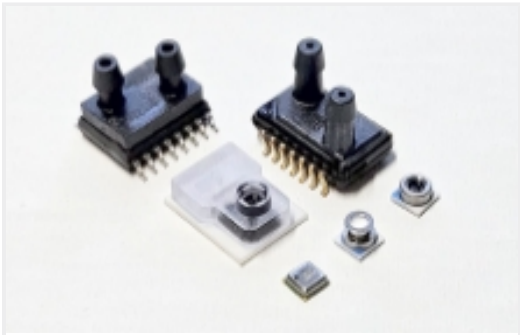


TE Part # MS860702BA01-50
PTH COMBINATION DIGITAL
SENSOR



TE Part # MS563730BA03-50
30 BAR INDUSTRIAL ALTIMETER
SENSOR

Also in the Series | MEAS MS5637



[Board Mount Pressure Sensors\(2\)](#)

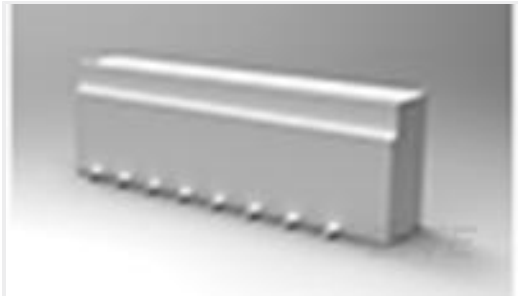


[Sensor Development Boards and Evaluation Kits\(3\)](#)

Customers Also Bought



TE Part #ANT-868-PW-LP
[Antenna 1/4 Wave 868MHz Screw #6](#)



TE Part #1735042-7
[1MM FFC SMT V ASSY 7P EMBOSS](#)



TE Part #G-MRCO-050
[2MM PITCH AMR POSITION SENSOR KMX](#)



TE Part #1-1670990-2
[10POS MQS REC COD B](#)



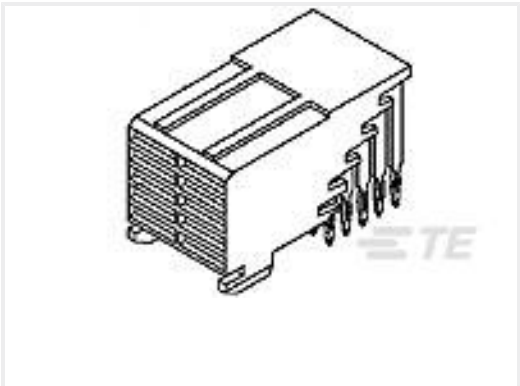
TE Part #3-2176379-1
[RQ 0805 221R 0.1% 10PPM 5K RL](#)



TE Part #ANT-433-CW-QW
[Antenna 1/4 Wave Whip 433MHz](#)



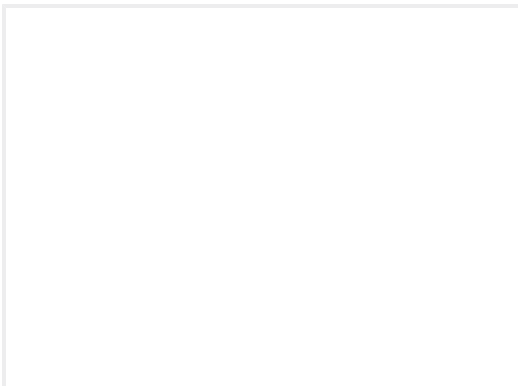
TE Part #2176237-4
[CPF A 0603 20R 0.1% 25PPM 5K RL](#)



TE Part #5536649-1
[2MM FB,ASY,010,PWR,REC,EN,SEQ](#)



TE Part #4-2176376-6
[RQ 0805 36K5 0.1% 10PPM 1K RL](#)



TE Part #20006127-20
[PRESS,XDCR,4525DO-SS3BI002GSM](#)

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_MS563702BA03-50_1.2d_dxf.zip](#)

[English](#)

[Customer View Model](#)

[ENG_CVM_CVM_MS563702BA03-50_1.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_MS563702BA03-50_1.3d_stp.zip](#)

English

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