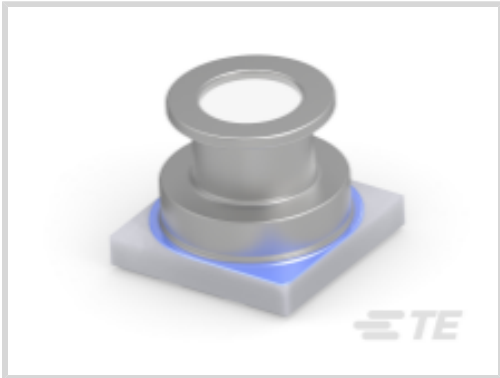




Sensors > Pressure Sensors > Board Mount Pressure Sensors



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

Pressure Type: **Absolute**

Pressure: **22501.8 mmHG**

Proof Pressure Range: **50 bar**

Features

Product Type Features

Sensor Package	Surface Mountable
Leg Style	SMD Pads
Pressure Sensor Type	Digital Pressure and Altimeter Sensor Modules
Pressure Type	Absolute

Electrical Characteristics

Media Compatibility	Wet
Supply Voltage Range	1.5 – 3.6 V

Dimensions

Product Width	3.3 mm[.13 in]
Product Length	3.3 mm[.129 in]
Product Height	2.75 mm[.108 in]

Usage Conditions

Pressure	30 bar[435.11 psi]
Operating Temperature Range	-40 – 110 °C[-40 – 230 °F]

Operation/Application

Resolution	.016
Output Interface	I ² C or SPI



	12055.9 inH2O
Pressure	22501.8 mmHG
Proof Pressure Range	50 bar
Output Signal Type	24 bit ADC
Pressure Accuracy	±50mbar

Other

Sensor Options	Chlorine Resistance, Shielded
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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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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>

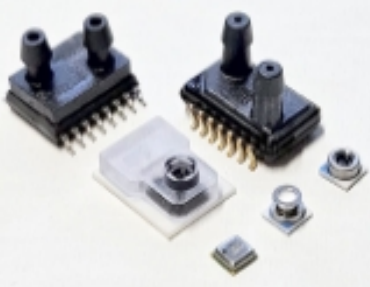
Compatible Parts





TE Part # MS583730BA01-50
MS5837-30BA01 30BA T&R PRESSURE SEN

Also in the Series | MEAS MS5849

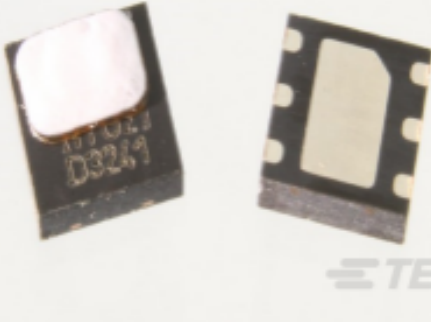


Board Mount Pressure Sensors(2)

Customers Also Bought



TE Part #MS583730BA01-50
MS5837-30BA01 30BA T&R PRESSURE SEN



TE Part #HPP845E131R5
HTU21DF RH/T SENSOR IC B5000



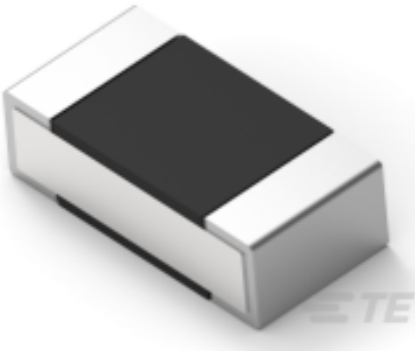
TE Part #7-1879133-3
RN 0603 4K99 0.1% 10PPM 1K RL



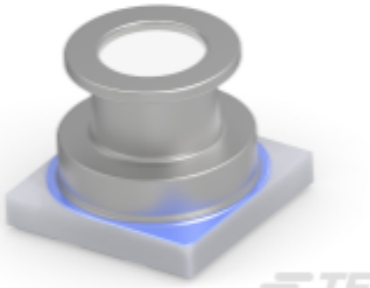
TE Part #4-1393240-5
RT334012



TE Part #1551573-5
Shield Finger, Loose Piece



TE Part #9-2176306-5
RP 1E 0.1W 11K 0.1% 25PPM 5K RL



TE Part #20027473-50
MS5849-07BA36 CL EXT ALT PRESS SEN T&R



TE Part #1-967658-1
8pos MQS .63 header 90deg



TE Part #225456-E
M12 MALE, A CODE, RA, 5P THR REAR MOUNT



Documents

Product Drawings

MS5849-30BA36 CL RESISTANT LS T&R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_20018051-50_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_20018051-50_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_20018051-50_1.3d_stp.zip

English

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

Datasheets & Catalog Pages

MS5849-30BA

English