



Sensors > Pressure Sensors > Board Level Pressure Sensors > MS5837-02BA DIGITAL PRESSURE SENSOR

Proof Pressure Range: 10 bar

Pressure: 2000 mbar

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

Board Level Pressure Sensor Style: Absolute

[All MS5837-02BA DIGITAL PRESSURE SENSOR \(4\)](#)

Features

Product Type Features

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

Electrical Characteristics

Board Level Pressure Sensor Supply Voltage	1.5 – 3.6 V
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Dimensions

Dimensions	3.3 x 3.3 x 2.75 mm[.13 x .13 x .108 in]
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Usage Conditions

Pressure	2 bar
Operating Temperature Range	-20 – 85 °C[-4 – 185 °F]

Operation/Application

Resolution	.016
Output Interface	I2C
Proof Pressure Range	10 bar
Pressure	2000 mbar
Output/Span	24 bit ADC
Board Level Pressure Sensor Accuracy	±0.5mbar

Packaging Features

Board Level Pressure Sensor Package	Surface Mountable
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Other

Options	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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) SVHC > Threshold: Not Yet Reviewed
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 # CAT-BLPS0060 MS5840-02BA LOW PROFILE PRESSURE SENSOR	 TE Part # CAT-BLPS0059 MS5837-02BA DIGITAL PRESSURE SENSOR	 TE Part # CAT-BLPS0061 MS5839-02BA CL RESISTANT PRESSURE SENSOR	 TE Part # 20005303-00 MS5837-07BA26 07BA DUAL RANGE HE LS T&R
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Also in the Series | MEAS MS5837



Board Level Pressure Sensors(8)



Digital Component Sensors(3)

Customers Also Bought



TE Part #MS561101BA03-50  
BOARD LEVEL PRESSURE STOCK LIST



TE Part #MS583702BA01-50  
MS5837-02BA DIGITAL PRESSURE  
SENSOR



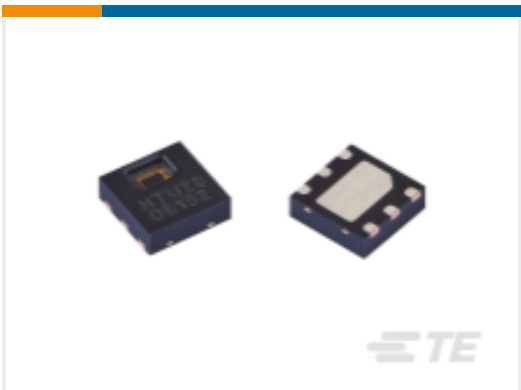
TE Part #1-5225661-3  
SERIES N PLUG TR



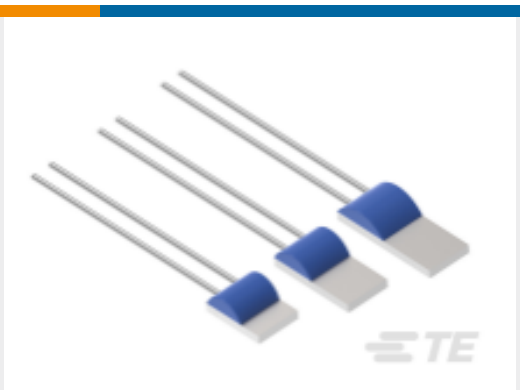
TE Part #5380635-2  
RCR AU-SPR SN-CUP OE 018-040



TE Part #2176093-5  
RP 2A 0.25W 10K 0.1% 25PPM 1K RL



TE Part #HPP845E034  
HTU20D Digital Humidity Temp Sensor



TE Part #NB-PTCO-182  
RTD Platinum Thin Film Element



TE Part #91067-1  
INSERTION/EXTRACTION TOOL



TE Part #GA20K5A7W3  
DISC- - BTC

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_20000979-00\_1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_20000979-00\_1.3d\_igs.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_20000979-00\\_1.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

[MS5837-02BA](#)

English

Product Specifications

[Application Specification](#)

English