



MEAS | MEAS MS5840

TE Internal #: 20000980-00

Digital Pressure and Altimeter Sensor Modules, Absolute, 2000 mbar, Output/Span 24 bit ADC, ±0.5mbar, Supply Voltage 1.5 – 3.6 V, MEAS MS5840

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Sensors > Pressure Sensors > Board Mount Pressure Sensors



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

Board Level Pressure Sensor Style: **Absolute**

Pressure: **2000 mbar**

Proof Pressure Range: **10 bar**

Output/Span: **24 bit ADC**

**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 1.7 mm [.13 x .13 x .067 in]
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**Usage Conditions**

Operating Temperature Range	-20 – 85 °C [-40 – 185 °F]
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**Operation/Application**

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

**Packaging Features**

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Board Level Pressure Sensor Package	Surface Mountable
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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
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

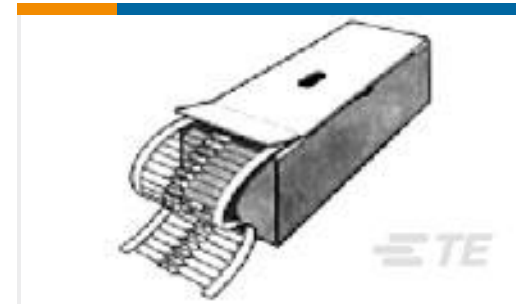
 <p>TE Part # CAT-BLPS0059 Compact Water Resistant Pressure Sensor</p>	 <p>TE Part # 20008669-50 MS5839-02BA36 CL RESISTANT LS T&amp;R SEN</p>
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Also in the Series | **MEAS MS5840**



Board Mount Pressure Sensors(1)

## Customers Also Bought

TE Part #281695-6  
HEADER HE14 STRAIGHT 6 PTE Part #NB16092001  
RT-375-3/64-X-STKTE Part #4-1825059-1  
ADF08ST04=DIP SWT,FLUSH,SMT-GWTE Part #2176083-8  
EP 5W (S) 150R 5%TE Part #2-1734741-8  
.5 FPC VT ZIF Type-B 28 CONTTE Part #5069702009  
CGPT-3.2/1.6-X-STKTE Part #D34796-000  
B-155-3801TE Part #ANT-5GMWP1-SMA  
Antenna Whip 5G/CBRS Swivel SMATE Part #1-66507-0  
PIN CONTACT, 20 DF

## Documents

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_20000980-00\\_1.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_20000980-00\\_1.3d\\_igs.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_20000980-00\\_1.3d\\_stp.zip](#)

English

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**Datasheets & Catalog Pages**

[MS5840-02BA](#)

English