

[MEAS | MEAS MS5837](#)

TE Internal #: MS583730BA01-50

Digital Pressure and Altimeter Sensor Modules, Absolute, 24 bit

ADC,  $\pm 1.5\text{mbar}$  Pressure Accuracy, 1.5 – 3.6 V Supply Voltage

Range, MEAS MS5837

[View on TE.com >](#)

Sensors &gt; Pressure Sensors &gt; Board Mount Pressure Sensors &gt; 0-30 BAR DIGITAL PRESSURE SENSOR



Pressure Sensor Type: Digital Pressure and Altimeter Sensor Modules

Pressure Type: Absolute

Proof Pressure Range: 50 bar

Output Signal Type: 24 bit ADC

Pressure Accuracy:  $\pm 1.5\text{mbar}$ [All 0-30 BAR DIGITAL 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
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### Dimensions

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

### Usage Conditions

Operating Temperature Range	-20 – 85 °C[-4 – 185 °F]
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### Operation/Application

Output Interface	I2C
Resolution	.2
Proof Pressure Range	50 bar

Output Signal Type	24 bit ADC
Pressure Accuracy	$\pm 1.5\text{mbar}$

## Product Compliance

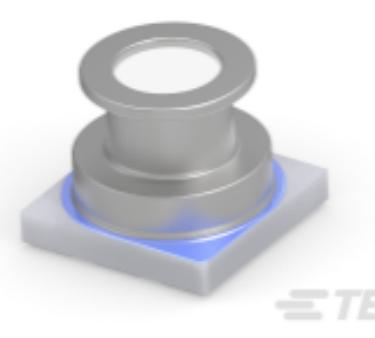
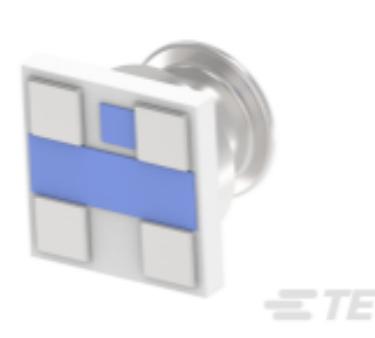
For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 20018051-50 <b>MS5849-30BA36 CL RESISTANT LS T&amp;R</b>	 TE Part # MS583702BA01-50 <b>MS5837-02BA01 2BA T&amp;R PRESSURE SEN</b>
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## Also in the Series | MEAS MS5837



Board Mount Pressure Sensors(3)

## Customers Also Bought



TE Part #02560406-000  
**LVDT MHR 010 ASSY**



TE Part #CAT-FSS0010  
**3/8 BSP MALE WATER FLOW SWITCH**



TE Part #11026275-00  
**DT1-028K N/TH N/HOLE**



TE Part #NB17224001  
**RNF-150-1-0-SP**



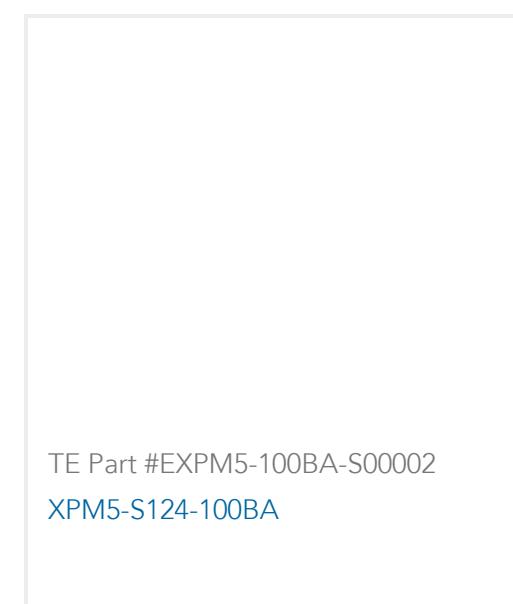
TE Part #CAT-FSS0012  
**Fuel/Oil Flow Switch, Male, 3/8 BSP**



TE Part #536098-5  
**064 EURO TYP R PIN AP MFBL ASY**



TE Part #5-1676480-7  
**CRG0402 1% 39K**



TE Part #EXP5-100BA-S00002  
**XPM5-S124-100BA**



TE Part #US381-000002-010BA  
**PRESS XDCR US381-000002-010BA**



TE Part #02560410-006  
**LVDT MHR 250 MC ASSY**

## Documents

### CAD Files

[3D PDF](#)

3D

### Customer View Model

[ENG\\_CVM\\_CVM\\_MS583730BA01-50\\_1.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_MS583730BA01-50\\_1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_MS583730BA01-50\\_1.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

[MS5837-30BA](#)

English