



MEAS | MEAS MS5803

TE Internal #: MS580305BA01-00

Digital Pressure and Altimeter Sensor Modules, Absolute, 24 bit ADC, ±120mbar Pressure Accuracy, Supply Voltage Range 1.8 – 3.6 V, MEAS MS5803

[View on TE.com >](#)

Sensors > Pressure Sensors > Board Mount Pressure Sensors



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

Pressure Type: **Absolute**

Output Signal Type: **24 bit ADC**

Pressure Accuracy: **±120mbar**

Supply Voltage Range: **1.8 – 3.6 V**

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	1.8 – 3.6 V
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Dimensions

Product Width	6.2 mm[.244 in]
Product Length	6.4 mm[.251 in]
Product Height	2.8 mm[.11 in]

Usage Conditions

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

Resolution	.036
Output Signal Type	24 bit ADC
Pressure Accuracy	±120mbar

Other

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Sensor Options	No Option
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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: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

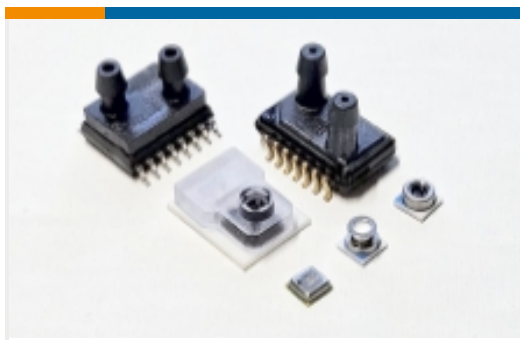
Product Compliance Disclaimer

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 # MS580314BA01-00 MS5803-14BA01 DIGIT PRESSURE SENSOR TUBE</p>	 <p>TE Part # MS580302BA01-00 MS5803-02BA01 DIGIT PRESSURE SENSOR TUBE</p>	 <p>TE Part # MS580330BA01-00 MS5803-30BA01 DIGIT PRESSURE SENSOR</p>	 <p>TE Part # MS580301BA01-00 MS5803-01BA01 PRESSURE SENSOR TUBE</p>
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Also in the Series | **MEAS MS5803**



Board Mount Pressure Sensors(10)

Customers Also Bought



TE Part #3-644456-6
 06P MTA100 HDR ASSY (NARROW)



TE Part #1879208-7
 CPF 0402 18R 0.1% 25PPM 1K RL



TE Part #1676322-2
 RN 0805 3K01 0.1% 10PPM 1KRL



TE Part #1-2834016-2
 2POS 2.54MM SES CONN.



TE Part #2-1879494-5
 CRGH0603 5% 10R 0.2W



TE Part #1617037-9
 HFW5A1201K00 = HFW 5AMP RELAY



TE Part #ADP-SMAM-RPSF
 SMA Plug to RP-SMA Jack



TE Part #BAT-HLD-001
 Battery Holder 2032 2025 SMT Bulk Pack



TE Part #6-2176360-3
 RQ 0402 1K91 0.1% 10PPM 1K RL

Documents

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_MS580305BA01-00_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_MS580305BA01-00_A.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_MS580305BA01-00_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Data sheet](#)

English