



MEAS | MEAS MS5803

TE Internal #: MS580305BA01-00

Digital Pressure and Altimeter Sensor Modules, Absolute, 5000 mbar, Output/Span 24 bit ADC, ±120mbar, Supply Voltage 1.8 – 3.6 V, MEAS MS5803

[View on TE.com >](#)

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: **5000 mbar**

Output/Span: **24 bit ADC**

Board Level Pressure Sensor Accuracy: **±120mbar**

**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	1.8 – 3.6 V
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**Dimensions**

Dimensions	6.2 x 6.4 mm [.24 x .25 in]
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**Usage Conditions**

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

Resolution	.036
Pressure	5000 mbar
Output/Span	24 bit ADC
Board Level Pressure Sensor Accuracy	±120mbar

**Packaging Features**

Board Level Pressure Sensor Package	Surface Mountable
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**Other**



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 2023 (235) 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

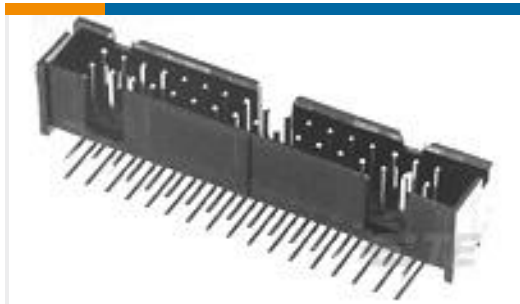
 <p>TE Part # MS580314BA01-00 MS5803-14BA01 DIGIT PRESSURE SENSOR TUBE</p>	 <p>TE Part # MS580302BA01-00 MS5803-02BA01 DIGIT PRESSURE SENSOR TUBE</p>	 <p>TE Part # MS580330BA01-00 MS5803-30BA01 DIGIT PRESSURE SENSOR</p>	 <p>TE Part # MS580301BA01-00 MS5803-01BA01 PRESSURE SENSOR TUBE</p>
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Also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



Board Mount Pressure Sensors(10)

## Customers Also Bought



TE Part #5103310-5  
A/L LOW PRO HDR 20P RA BLACK



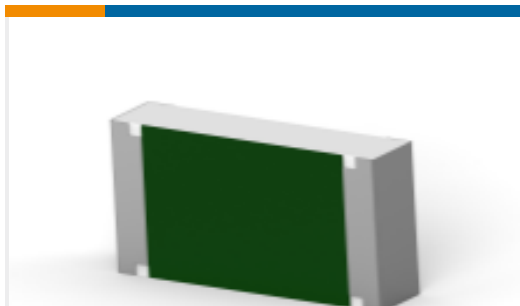
TE Part #2-1761605-1  
IDC LOW PRO HDR 6P RA BLUE



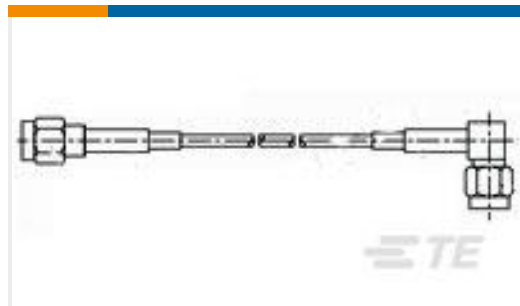
TE Part #130005  
PIDG R 22-16 10 (5MM)



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



TE Part #5-2176397-8  
3502 240R 1%



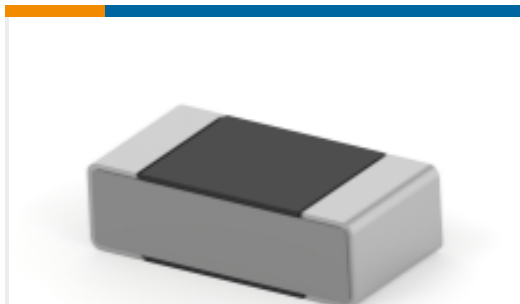
TE Part #1337810-1  
50 OHM COAX SMA STR PLUG ELB P



TE Part #382811-2  
SHUNT, ECON, PHBR15 AU, BLUE



TE Part #9-146282-0  
40 MODII HDR SRST B/A .100CL



TE Part #1-2176280-7  
CPF 0402 158K 0.1% 25PPM 1K RL



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