

MS580502BA01-50

✓ ACTIVE

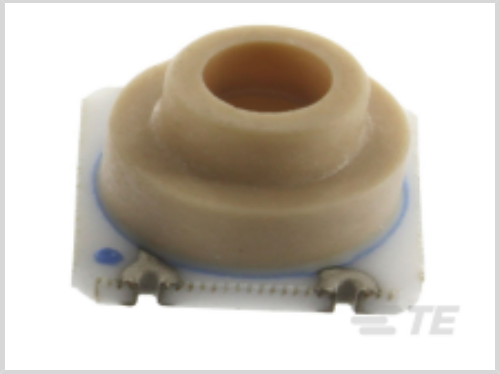
MEAS | MEAS MS5805

TE Internal #: MS580502BA01-50
Digital Pressure and Altimeter Sensor Modules, Absolute, 24 bit ADC, ±4mbar Pressure Accuracy, Supply Voltage Range 1.8 - 3.6 V, MEAS MS5805

[View on TE.com >](#)



Sensors > Pressure Sensors > Board Mount Pressure Sensors > MINIATURE DIGITAL PRESSURE SENSOR



Pressure Sensor Type: Digital Pressure and Altimeter Sensor Modules
Pressure Type: Absolute
Output Signal Type: 24 bit ADC
Pressure Accuracy: ±4mbar
Supply Voltage Range: 1.8 - 3.6 V

All MINIATURE 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	1.8 - 3.6 V
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Dimensions

Product Width	4.5 mm[.177 in]
Product Length	4.5 mm[.177 in]
Product Height	3.5 mm[.137 in]

Usage Conditions

Operating Temperature Range	-40 - 85 °C[-4 - 185 °F]
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Operation/Application

Resolution	.02
Output Signal Type	24 bit ADC
Pressure Accuracy	±4mbar



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: JAN 2024 (240) 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>

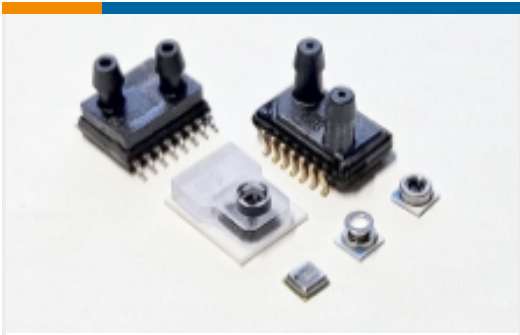
Compatible Parts



TE Part # MS580330BA01-00

MS5803-30BA01 DIGIT PRESSURE SENSOR

Also in the Series | MEAS MS5805



Board Mount Pressure Sensors(1)



Sensor Development Boards and Evaluation Kits(1)

Customers Also Bought



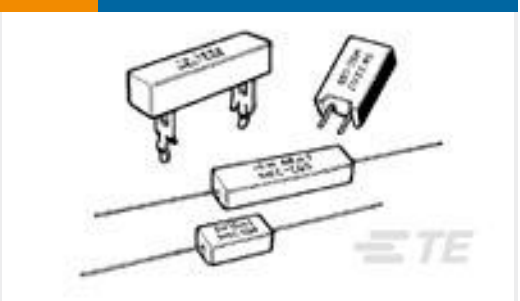
TE Part # 7-1393740-8
V42254A2216C209=SUB D STIFTLEI



TE Part # 5177984-3
0.8FH,P05H.5,080,08/Sn,TU



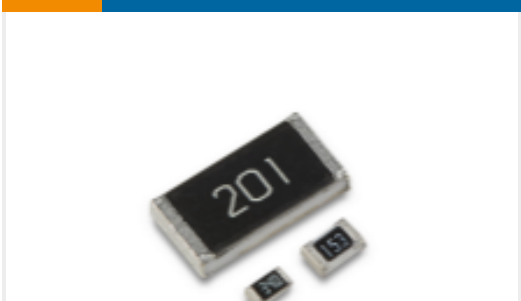
TE Part # 9-188275-0
MICRO-MATCH SMD FTE



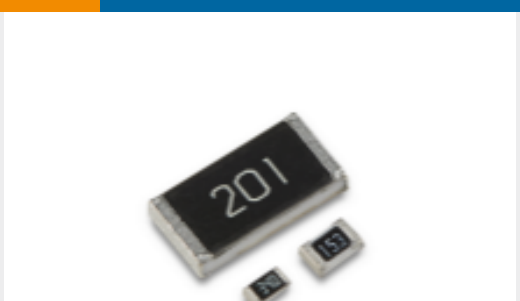
TE Part # 1-1623788-1
SQM5 27R 5% (WIRE)



TE Part # 1-1734775-1
Std USB Type A, Flag, T/H, 1.8A



TE Part # 3-2176326-2
CRGP 0603 3K9 1%



TE Part # 3-2176326-6
CRGP 0603 8K2 1%



TE Part # 5677864004
RNF-3000-9/3-9-SP



TE Part # CV3305-000
RW-175-3/8-X-STK



TE Part # ANT-GNCP-TH25AL12
Antenna Cer Patch GNSS L1L2 25x25 THM

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_MS580502BA01-50_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_MS580502BA01-50_1.3d_igs.zip



English

Customer View Model

[ENG_CVM_CVM_MS580502BA01-50_1.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Data sheet](#)

English