



Sensors > Pressure Sensors > Board Mount Pressure Sensors > Compact Water Resistant Pressure Sensor



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

Pressure Type: **Absolute**

Proof Pressure Range: **10 bar**

Pressure: **2 bar**

Output Signal Type: **24 bit ADC**

[All Compact Water Resistant Pressure Sensor \(2\)](#)

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 |
|----------------------|-------------|

Usage Conditions

| | |
|-----------------------------|--------------------------|
| Pressure | 2 bar |
| Operating Temperature Range | -20 – 85 °C[-4 – 185 °F] |

Operation/Application

| | |
|----------------------|------------|
| Resolution | .016 |
| Output Interface | I2C |
| Proof Pressure Range | 10 bar |
| Output Signal Type | 24 bit ADC |
| Pressure Accuracy | ±0.5mbar |

Other



| | |
|----------------|----------|
| Sensor Options | Shielded |
|----------------|----------|

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: JUNE 2023 (235) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 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 # MS583702BA01-50
MS5837-02BA01 2BA T&R PRESSURE SEN

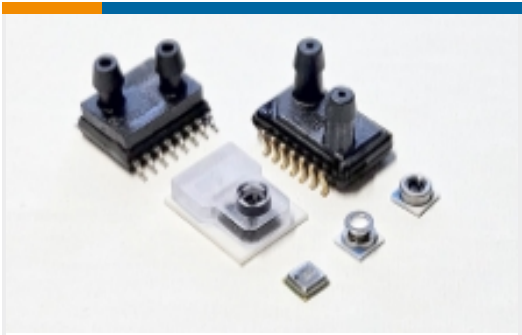


TE Part # 20000980-00
MS5840-02BA21 LP T&R PRESS SEN



TE Part # 20008669-50
MS5839-02BA36 CL RESISTANT LS T&R SEN

Also in the Series | MEAS MS5837



Board Mount Pressure Sensors(3)

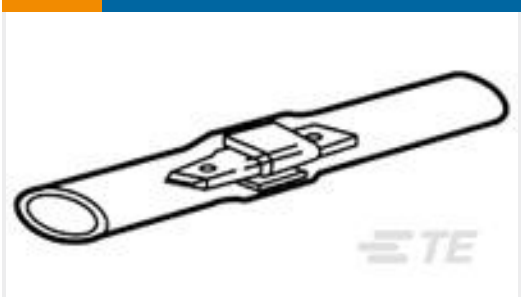


Sensor Development Boards and Evaluation Kits(2)

Customers Also Bought



TE Part #2-2176070-7
3521 120R 1% 2W



TE Part #321235
RECEPT, FASTON SPLICE 22-10



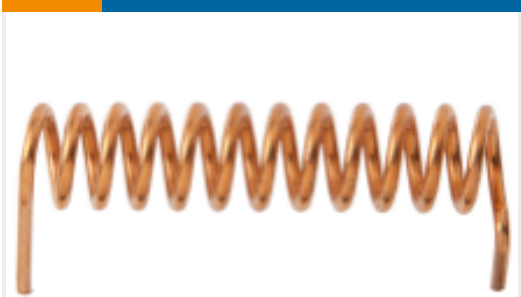
TE Part #1-1879417-8
CPF 0603 910K 0.1% 25PPM 1K RL



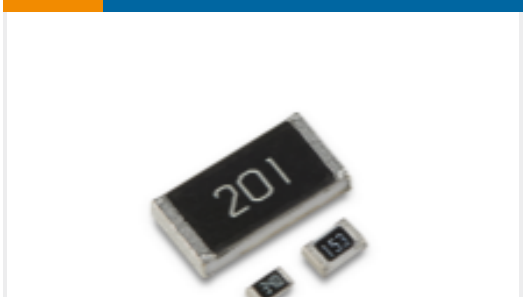
TE Part #6-1625892-7
3W SM M/OX 5% 68R



TE Part #2108792-5
FPC Ant, MHF, 200mm, Wi-Fi 6E Triple



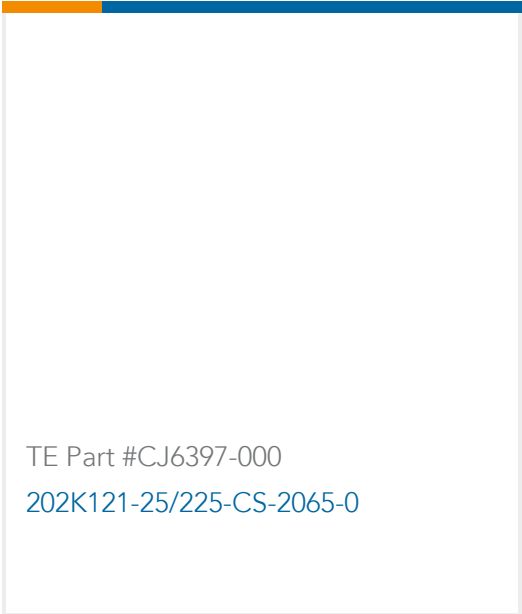
TE Part #ANT-418-HESM
Antenna 1/4 Wave Coil 418MHz SMT



TE Part #2176328-2
CRGP 1206 12R 1%



TE Part #225361-E
M12 METAL SHELL, MALE, RA, SW16



TE Part #CJ6397-000
202K121-25/225-CS-2065-0

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_20000979-00_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_20000979-00_1.3d_igs.zip



English

Customer View Model

[ENG_CVM_CVM_20000979-00_1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[MS5837-02BA](#)

English

Product Specifications

[Application Specification](#)

English