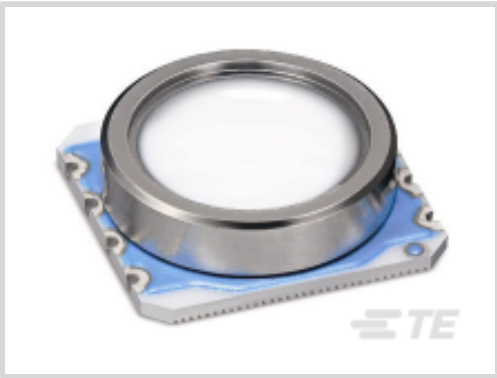




Sensors > Pressure Sensors > Board Mount Pressure Sensors > 0-14 DIGITAL PRESSURE SENSOR



Pressure Sensor Type: Digital Pressure and Altimeter Sensor Modules

Pressure Type: Absolute

Output Signal Type: 24 bit ADC

Pressure Accuracy: -200 to +100mbar

Supply Voltage Range: 1.8 – 3.6 V

[All 0-14 DIGITAL 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 | 1.8 – 3.6 V |
|----------------------|-------------|

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] |
|-----------------------------|---------------------------|

Operation/Application

|                    |                  |
|--------------------|------------------|
| Resolution         | .04              |
| Output Signal Type | 24 bit ADC       |
| Pressure Accuracy  | -200 to +100mbar |



Other

|                |           |
|----------------|-----------|
| Sensor Options | No Option |
|----------------|-----------|

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 2025 (247)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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>

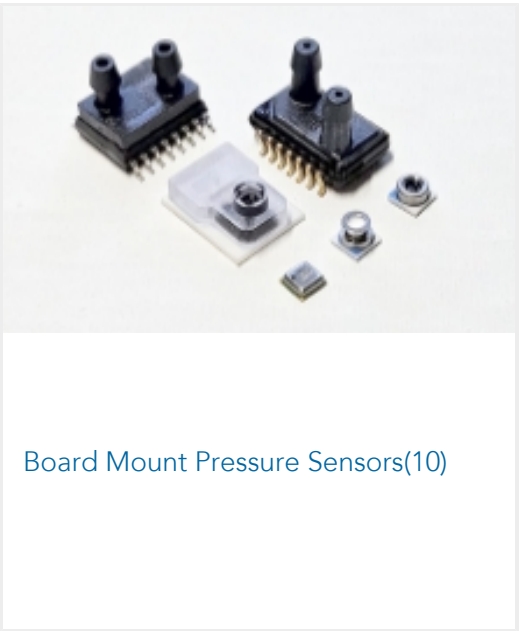
Compatible Parts

|                                                                                                                                                         |                                                                                                                                                              |                                                                                                                                                       |                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # MS580330BA01-00<br>MS5803-30BA01 DIGIT PRESSURE SENSOR | <br>TE Part # MS580302BA01-00<br>MS5803-02BA01 DIGIT PRESSURE SENSOR TUBE | <br>TE Part # MS580305BA01-00<br>MS5803-05BA 5BAR WHITE GEL TUBE | <br>TE Part # MS580301BA01-00<br>MS5803-01BA01 PRESSURE SENSOR TUBE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|



TE Part # MS5803-01BA07  
MS5803-01BA07\_FLUOROGEL\_Pressure sensor

Also in the Series | MEAS MS5803



Board Mount Pressure Sensors(10)

Customers Also Bought



TE Part #2328702-4  
4PIN 0.5MMP FPC CONNECTOR, BACK FLIP LOCK



TE Part #20018051-50  
MS5849-30BA36 CL RESISTANT LS T&R



TE Part #8-1614882-5  
CPF 0603 5R6 0.1% 25PPM 1K RL



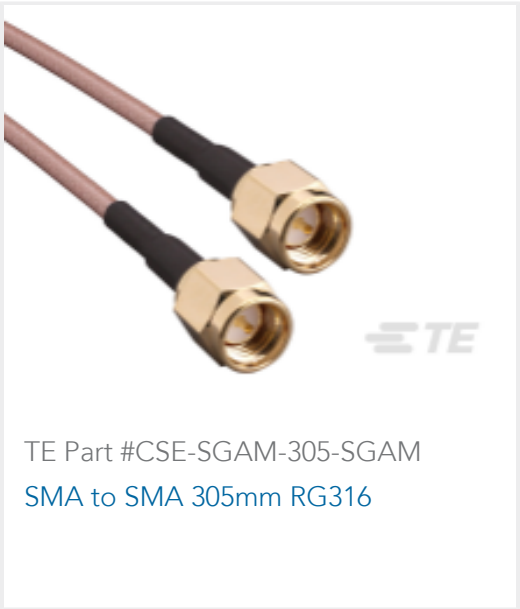
TE Part #L9000169-01  
Antenna 2.45/5.8GHz WRT Monopole U.FL



TE Part #1825057-4  
ADE0504=DIP SWITCH,EXT,THRU/HL



TE Part #5-2176343-5  
CRGCQ 1206 330K 1%



TE Part #CSE-SGAM-305-SGAM  
SMA to SMA 305mm RG316



TE Part #CAT-BLPS0001  
PCB MOUNTED DIGITAL PRESSURE SENSOR



TE Part #5-103672-4  
05 MTE HDR SRRA LATCH W/HLDWN



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_MS580314BA01-00\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_MS580314BA01-00\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_MS580314BA01-00\_A.3d\_stp.zip

English

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

Datasheets & Catalog Pages

Data sheet

English