



Sensors > Pressure Sensors > Board Mount Pressure Sensors > Ultra-low Pressure Digital Sensor



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

Pressure Type: **Gauge**

Proof Pressure Range: **.07 bar**

Output Signal Type: **16 bit I2C**

Pressure Accuracy: **±2.5% F.S**

[All Ultra-low Pressure Digital Sensor \(24\)](#)

Features

Product Type Features

|                      |                                               |
|----------------------|-----------------------------------------------|
| Pressure Sensor Type | Digital Pressure and Altimeter Sensor Modules |
| Pressure Type        | Gauge                                         |
| Sensor Package       | SOIC-16                                       |

Operation/Application

|                      |            |
|----------------------|------------|
| Proof Pressure Range | .07 bar    |
| Output Signal Type   | 16 bit I2C |
| Pressure Accuracy    | ±2.5% F.S  |
| Output Interface     | I²C        |

Electrical Characteristics

|                      |     |
|----------------------|-----|
| Supply Voltage Range | 3 V |
|----------------------|-----|

Usage Conditions

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

Other

|                    |                      |
|--------------------|----------------------|
| Sensor Options     | Barb Tube, No Option |
| EU RoHS Compliance | Compliant            |



|                   |           |
|-------------------|-----------|
| EU ELV Compliance | Compliant |
|-------------------|-----------|

Dimensions

|                |                   |
|----------------|-------------------|
| Product Width  | 10.31 mm[.405 in] |
| Product Length | 10.26 mm[.403 in] |
| Product Height | 9.32 mm[.366 in]  |

Packaging Features

|                           |               |
|---------------------------|---------------|
| Sensor Port Configuration | Dual Vertical |
|---------------------------|---------------|

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



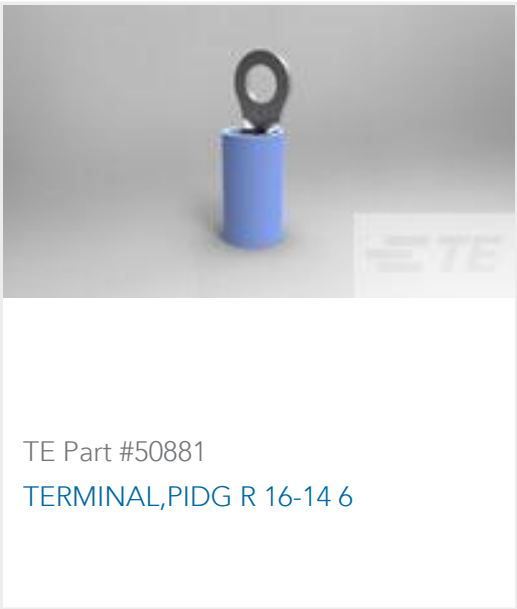
TE Part # CAT-BLPS0062  
Ultra-low Pressure Digital Sensor

Also in the Series | SMI 9000



Board Mount Pressure Sensors(24)

Customers Also Bought



TE Part #50881  
TERMINAL,PIDG R 16-14 6



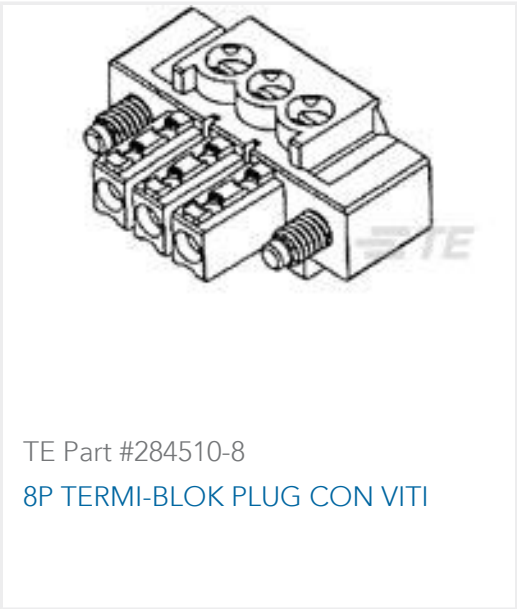
TE Part #2227303-1  
CAGE ASSEMBLY, SFP, .140 SOLDE



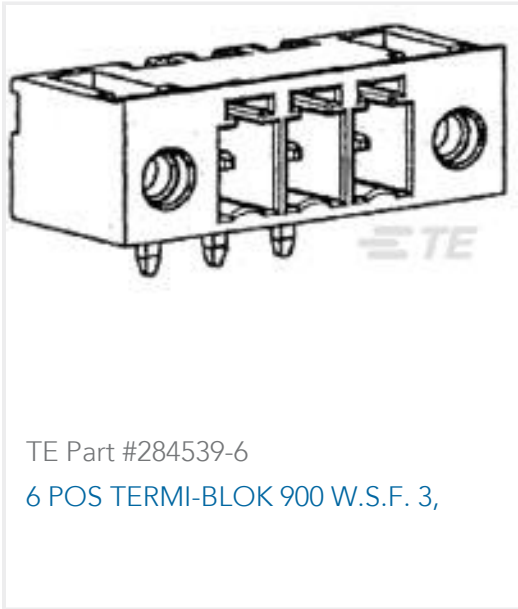
TE Part #3-350944-0  
04P UMNL HDR ASSY R/A 94VO



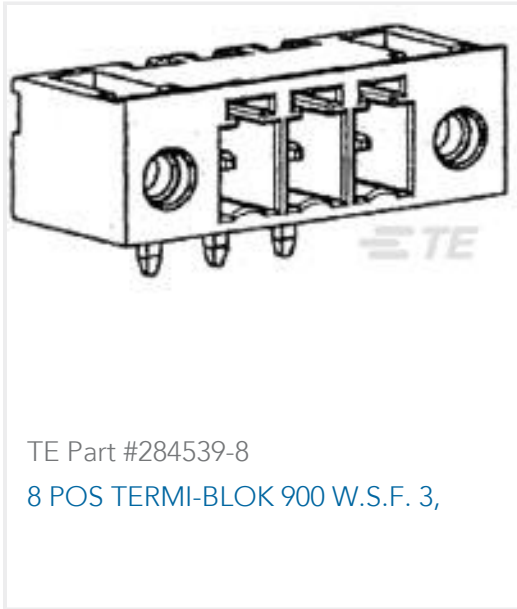
TE Part #2201778-1  
MICRO SD PUSH PUSH LOW PROFILE TYPE



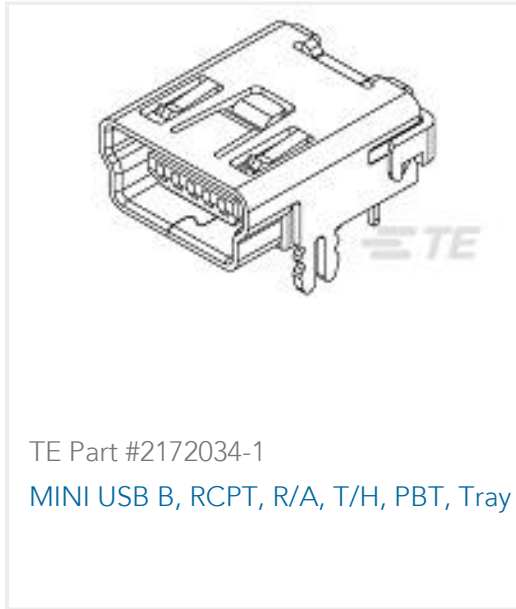
TE Part #284510-8  
8P TERMI-BLOK PLUG CON VITI



TE Part #284539-6  
6 POS TERMI-BLOK 900 W.S.F. 3,



TE Part #284539-8  
8 POS TERMI-BLOK 900 W.S.F. 3,



TE Part #2172034-1  
MINI USB B, RCPT, R/A, T/H, PBT, Tray



TE Part #9333-BCE-S-125-000  
125PA DIFF. DIGITAL PRESSURE SENSOR



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_9235-BCE-S-300-000\_1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_9235-BCE-S-300-000\_1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_9235-BCE-S-300-000\_1.3d\_stp.zip

English

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

Datasheets & Catalog Pages

SM9000

English