

#### MEAS | MEAS 89

TE Internal #: 89BSD-028BA-A

TE Internal Description: 28 BARA 316L DIGITAL PRESSURE SENSOR

View on TE.com >



Sensors > Pressure Sensors > Media Isolated Pressure Sensors



Pressure Sensor Type: **Digital Pressure Sensor** 

Pressure Type: Absolute

Output Signal Type: **24 bit ADC**Supply Voltage Range: **3 V** 

Operating Temperature Range: -40 - 85 °C [-40 - 185 °F]

#### **Features**

### **Product Type Features**

| Pressure Sensor Type | Digital Pressure Sensor             |
|----------------------|-------------------------------------|
| Pressure Type        | Absolute                            |
| Sensor Package       | Threaded Process Fittings, Weldable |

#### **Electrical Characteristics**

| Supply Current       | .0125 mA |
|----------------------|----------|
| Supply Voltage Range | 3 V      |

#### **Dimensions**

| Product Diameter | 9.04 mm[.356 in] |
|------------------|------------------|
| Product Height   | 7.5 mm[.29 in]   |

# **Usage Conditions**

| Total Error Band ±          | 2 %                       |
|-----------------------------|---------------------------|
| Operating Temperature Range | -40 - 85 °C[-40 - 185 °F] |

# Operation/Application

| Proof Pressure Range | 2X               |
|----------------------|------------------|
| Output Interface     | I <sup>2</sup> C |
| Pressure Accuracy ±  | 3 %              |
| Output Signal Type   | 24 bit ADC       |

# Other



| Port Fitting | Weldable (5/16-32 UNEF-3A Thread) |
|--------------|-----------------------------------|
|--------------|-----------------------------------|

# **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<br>(247)<br>Candidate List Declared Against: JAN 2025<br>(247)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| Solder Process Capability                     | Not reviewed for solder process capability  |

#### Product Compliance Disclaimer

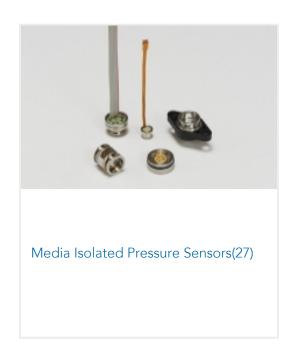
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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**



Also in the Series | MEAS 89





# Customers Also Bought









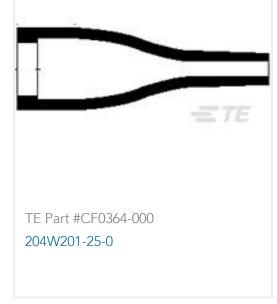












### **Documents**

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_89BSD-028BA-A\_C1.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_89BSD-028BA-A\_C1.3d\_igs.zip



English

**Customer View Model** 

ENG\_CVM\_CVM\_89BSD-028BA-A\_C1.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

89BSD

English