



MEAS | MEAS 89 Series

TE Internal #: 89BSD-028BA-A

TE Internal Description: 28 BARA 316L DIGITAL PRESSURE SENSOR

9MM DIGITAL OUTPUT PRESSURE SENSOR

[View on TE.com >](#)

Sensors > Pressure Sensors > Media Isolated Pressure Sensors > 9MM DIGITAL OUTPUT PRESSURE SENSOR



Pressure Sensor Type: **Media Isolated Digital Output Pressure Sensors**

Pressure Type: **Absolute**

Output Signal Type: **24 bit ADC**

Supply Voltage Range: **3 V**

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

[All 9MM DIGITAL OUTPUT PRESSURE SENSOR \(17\)](#)

**Features**

**Product Type Features**

Pressure Sensor Type	Media Isolated Digital Output Pressure Sensors
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**

Pressure Accuracy ±	3 %
Proof Pressure Range	2X
Output Interface	I <sup>2</sup> C

Output Signal Type	24 bit ADC
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### Other

Port Fitting	Weldable (5/16-32 UNEF-3A Thread)
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	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



Also in the Series | [MEAS 89 Series](#)

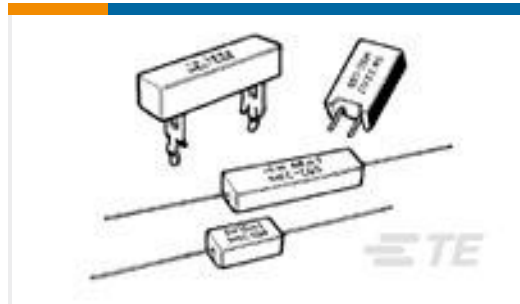


Media Isolated Pressure Sensors(27)

## Customers Also Bought



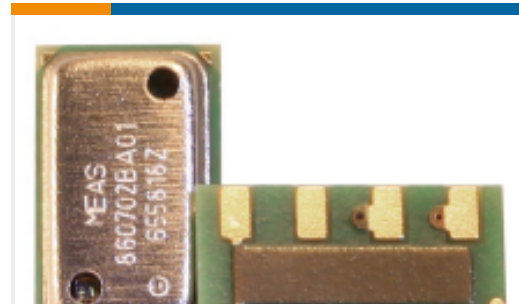
TE Part # 749805-7  
KIT,HDP-20,PLUG,SIZE 1, 9 POSN



TE Part # 1623793-3  
SQP5 1K0 5% MTL FLM



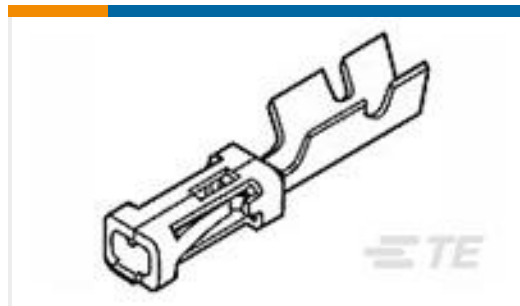
TE Part # 2309413-1  
DDR4 SODIMM 260P 9.2H STD



TE Part # MS860702BA01-50  
PTH COMBINATION DIGITAL  
SENSOR



TE Part # 1622918-1  
CRG0603 1% 330R



TE Part # 1-87309-2  
MOD V RECP PLTD 15 AU



TE Part # 5-2176337-2  
CRGCO 0402 180K 1%



TE Part # 749810-9  
KIT SZ 1, HDE PLUG, LEAD FREE



TE Part # YDTS24W25-35SNC001  
RECP ASSY



TE Part # 3-2213766-9  
AV19 SPL 3A POWER LED BLUE 24V

## 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

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## Datasheets & Catalog Pages

[89BSD](#)

English