SM4291-HGE-S-500-000 ✔ ACTIVE

MEAS | SMI 4000

TE Internal #: 4291-HGE-S-500-000

Analog Pressure Sensor Modules / Digital Pressure and Altimeter Sensor Modules, Gauge, 10 – 90% Vdc / 16 bit I2C, SMI 4000

View on TE.com >

Sensors > Pressure Sensors > Board Mount Pressure Sensors > Medium Pressure Digital / Analog Sensor

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

Pressure Type: **Gauge**

Proof Pressure Range: **25 psi**

Output Signal Type: **10 – 90% Vdc, 16 bit I2C**

Pressure Accuracy: **±1.5% F.S, ±1% F.S**

All Medium Pressure Digital / Analog Sensor (11)

Features

Product Type Features

Sensor Package	SOIC-10
Pressure Sensor Type	Analog Pressure Sensor Modules, Digital Pressure and Altimeter Sensor Modules
Pressure Type	Gauge

Electrical Characteristics

Supply Voltage Range	3 V

Dimensions

Product Width	6.1 mm[.24 in]
Product Length	3.8 mm[.149 in]
Product Height	9 mm[.354 in]

Usage Conditions

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

Operation/Application

Output Interface	I²C
Proof Pressure Range	25 psi
Output Signal Type	10 – 90% Vdc, 16 bit I2C

Pressure Accuracy	±1.5% F.S, ±1% F.S

Packaging Features

Sensor Port Configuration	Single Vertical

Other

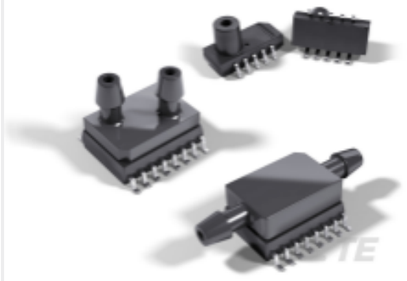
Sensor Options	Barb Tube, Dual Output

Product Compliance

For compliance documentation, visit the product page on TE.com>

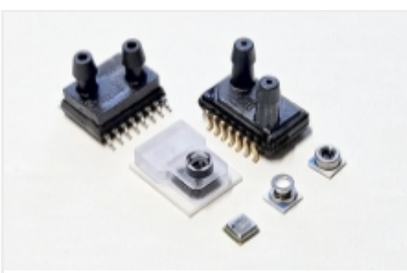
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

Compatible Parts



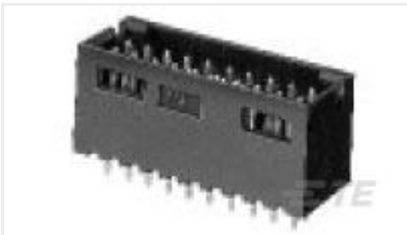
TE Part # CAT-BLPS0064
Medium Pressure Digital / Analog Sensor

Also in the Series | SMI 4000



Board Mount Pressure Sensors(8)

Customers Also Bought

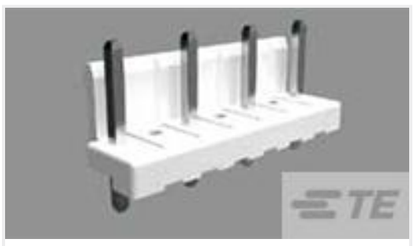


TE Part #5-103168-4
12 MODII HDR DRST SHRD .100CL

TE Part #350180
TEST PROBE ASSEMBLY, REC, PA66, BLACK

TE Part #350180-2
TEST PROBE REC130L SPCL RED GPBR

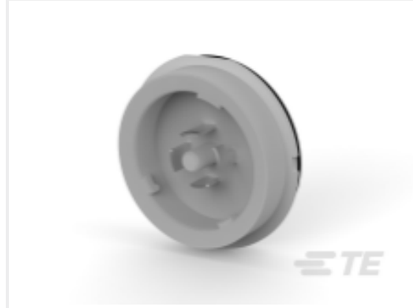
TE Part #3-582118-0
TEST PROBE REC130 BI BLK GPBR



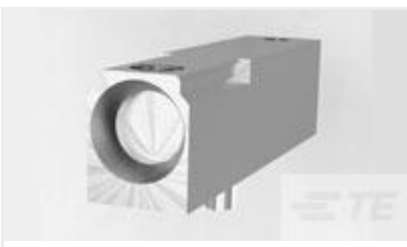
TE Part #1-1123724-3
3.96EP HDR ASSY 3(5)P NATURAL

TE Part #8-1415006-1
RTH14012

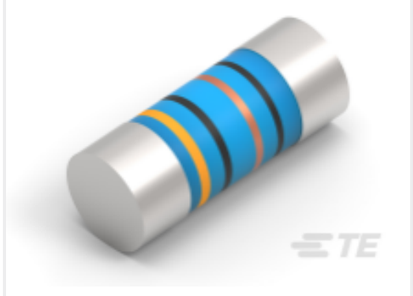
TE Part #2-1658527-0
622-1230LF=FSKT IDC S 12 30AU



TE Part #2213837-1
ASSEM., 40MM LUMAWISE ENDURANCE S



TE Part #5223957-3
UPM GUIDE MODULE



TE Part #2-2176316-9
MELF SMA_A 22K 0.1% 15PPM 0207 1W

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4291-HGE-S-500-000_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4291-HGE-S-500-000_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4291-HGE-S-500-000_1.3d_stp.zip

English

Datasheets & Catalog Pages

SM4000SM1000

English