



MEAS | SMI 6000

TE Internal #: 6391-BCE-S-040-000

TE Internal Description: 40CMH20 DIFF. DIGITAL/ANALOG

PRESSURE SE

Low Pressure Digital / Analog Sensor

[View on TE.com >](#)

Sensors > Pressure Sensors > Board Level Pressure Sensors > Low Pressure Digital / Analog Sensor



Proof Pressure Range: 4.5 psi

Pressure: 40.85 mmHG

Board Level Pressure Sensor Type: Analog Pressure Sensor Modules, Digital Pressure and Altimeter Sensor Modules

[All Low Pressure Digital / Analog Sensor \(85\)](#)

## Features

### Product Type Features

Board Level Pressure Sensor Type	Analog Pressure Sensor Modules, Digital Pressure and Altimeter Sensor Modules
Board Level Pressure Sensor Style	Differential

### Configuration Features

Tubes	Barb Tube
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### Electrical Characteristics

Board Level Pressure Sensor Supply Voltage	3 V
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### Dimensions

Dimensions	10.26 x 10.31 mm [.40 x .41 in]
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### Usage Conditions

Pressure	.054 bar [.79 psi]
Operating Temperature Range	-20 – 85 °C [-4 – 185 °F]

### Operation/Application

Output Interface	I <sup>2</sup> C
Proof Pressure Range	4.5 psi
Pressure	40.85 mmHG
Output/Span	10 – 90% Vdc, 16 bit I2C



Board Level Pressure Sensor Accuracy	±1% F.S, ±1.5% F.S
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### Packaging Features

Package Style	Dual Vertical
Board Level Pressure Sensor Package	SOIC-16

### Other

Options	Dual Output
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## 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	Not Yet Reviewed
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: JUL 2021 (219) Candidate List Declared Against: JUL 2021 (219) 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

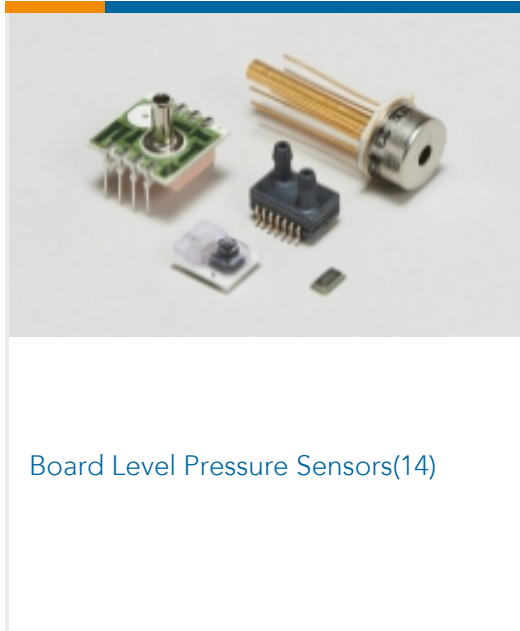


TE Part # CAT-BLPS0064  
Medium Pressure Digital / Analog  
Sensor



TE Part # CAT-BLPS0063  
Low Pressure Digital / Analog Sensor

## Also in the Series | SMI 6000



Board Level Pressure Sensors(14)

## Customers Also Bought



TE Part #2-2343522-0  
SFP56 STACKED 2X2 RECEPTACLE  
ASSEMBLY



TE Part #2318770-6  
TWO-PIECE POKE-IN, 5MM HEADER,  
6 POS



TE Part #T4140012121-000  
M12,REAR MOUNT,MALE, A,12P,  
SOLDER PCB



TE Part #YDTS20W13-98PAC001  
RECP ASSY



TE Part #667353-000  
CWT-1501



TE Part #61323-2  
058 R/A PIN REC 24-20 TPBECU



TE Part #1969759-1  
Pos Lock 250 M INF SW Hsg 3P MKII  
V0



TE Part #2367196-3  
1.0mm WTB RIGHT ANGLE TYPE  
WITH LATCH



TE Part #4-644463-1  
11P MTA156 CONN ASSY 22AWG RED



## Documents

### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6391-BCE-S-040-000\\_1.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6391-BCE-S-040-000\\_1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6391-BCE-S-040-000\\_1.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[SM7000SM6000SM5000](#)

English