



MEAS | MEAS MS5840

TE Internal #: 20000806-00

TE Internal Description: MS5840-02BA21 LOW PROFIL PRESSURE SENSOR

MS5840-02BA LOW PROFILE PRESSURE SENSOR

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Sensors > Pressure Sensors > Board Level Pressure Sensors > MS5840-02BA LOW PROFILE PRESSURE SENSOR



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

Board Level Pressure Sensor Style: **Absolute**

Pressure: **1500.12 mmHG**

Proof Pressure Range: **10 bar**

All MS5840-02BA LOW PROFILE PRESSURE SENSOR (2)

Features

Product Type Features

Board Level Pressure Sensor Type	Digital Pressure and Altimeter Sensor Modules
Board Level Pressure Sensor Style	Absolute

Electrical Characteristics

Board Level Pressure Sensor Supply Voltage	1.5 – 3.6 V
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Dimensions

Dimensions	3.3 x 3.3 x 1.7 mm [.13 x .13 x .067 in]
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Usage Conditions

Pressure	2 bar [29 psi]
Operating Temperature Range	-20 – 85 °C [-4 – 185 °F]

Operation/Application

Resolution	.016
Output Interface	I ² C
Pressure	1500.12 mmHG
Proof Pressure Range	10 bar
Output/Span	24 bit ADC
Board Level Pressure Sensor Accuracy	±0.5mbar

Packaging Features

Board Level Pressure Sensor Package

Surface Mountable

Product Compliance

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

EU RoHS Directive 2011/65/EU

Not Yet Reviewed

EU ELV Directive 2000/53/EC

Not Yet Reviewed

China RoHS 2 Directive MIIT Order No 32, 2016

Not reviewed for China RoHS compliance

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2022
(223)

Not Yet Reviewed

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

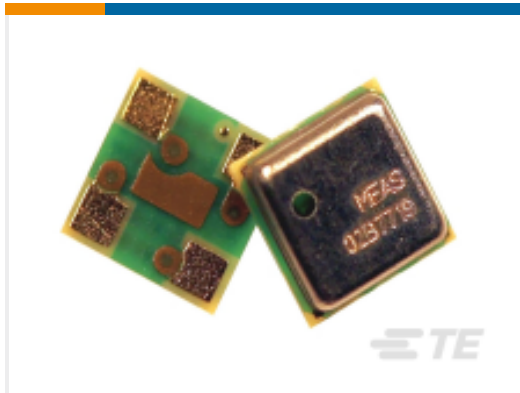


Also in the Series | [MEAS MS5840](#)

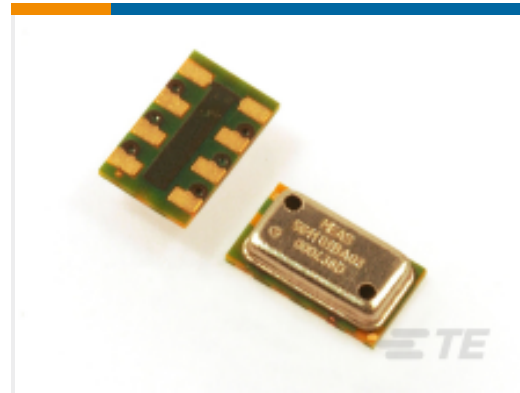


Board Level Pressure Sensors(2)

Customers Also Bought



TE Part #MS563702BA03-50
2 BAR INDUSTRIAL ALTIMETER
SENSOR



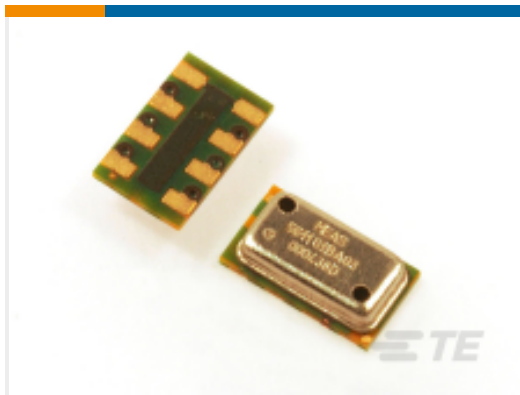
TE Part #MS560702BA03-50
MS5607-02BA SS CAP ALTIMETER T&R



TE Part #G-NICO-018
0.1 DEG C ACCURACY QFN TEMP
SENSOR



TE Part #1437566-4
FSMSMTR=TACT SWITCH



TE Part #MS561101BA03-50
MS5611 BAROMETRIC SENSOR CM
T&R



TE Part #1625854-1
1206 PROBE PAD



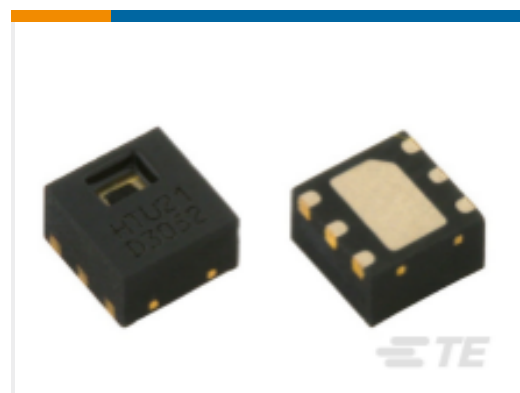
TE Part #1-1734248-5
1.0 FPC, ZIF V/T, SMT, 15P



TE Part #9-1879333-1
CPF0402 200K 0.1% 25PPM 5K RL



TE Part #5-2301995-4
RJ45 JACK INT.MAG. 1GB LED 1X1
VERT.



TE Part #HPP845E031R4
I.C 21D RH/T B400

Documents

Datasheets & Catalog Pages

[MS5840-02BA](#)

English