

MS583730BA01-50 ✓ ACTIVE

MEAS | MEAS MS5837

TE Internal #: MS583730BA01-50

Digital Pressure and Altimeter Sensor Modules, Absolute, 30000 mbar, Output/Span 24 bit ADC, ± 1.5 mbar, Supply Voltage 1.5 – 3.6 V, MEAS MS5837

[View on TE.com >](#)



Sensors > Pressure Sensors > Board Mount Pressure Sensors > 0-30 BAR DIGITAL PRESSURE SENSOR



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

Board Level Pressure Sensor Style: **Absolute**

Pressure: **30000 mbar**

Proof Pressure Range: **50 bar**

Output/Span: **24 bit ADC**

[All 0-30 BAR DIGITAL PRESSURE SENSOR \(1\)](#)

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 2.75 mm [.11 x .11 x 0.03 in]
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Usage Conditions

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

Resolution	.2
Output Interface	I2C
Pressure	30000 mbar
Proof Pressure Range	50 bar
Output/Span	24 bit ADC
Board Level Pressure Sensor Accuracy	± 1.5 mbar



Packaging Features

Board Level Pressure Sensor Package	Surface Mountable
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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 with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 MS5837



Board Mount Pressure Sensors(3)



Sensor Development Boards and Evaluation Kits(2)

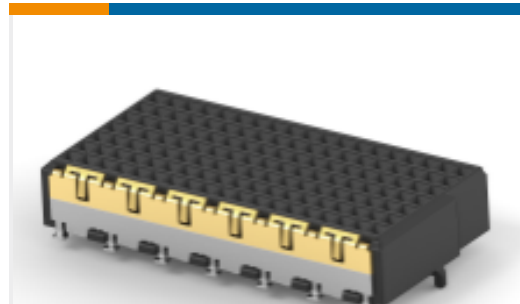
Customers Also Bought



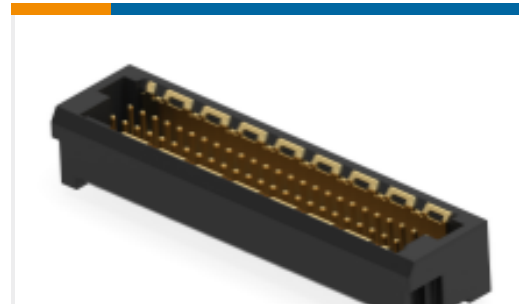
TE Part #6339082-3
LED STK MJ ASSY, 2x4, 8 POS, CAT5



TE Part #4-1614884-1
CPF 0805 100R 0.1% 25PPM 1K RL



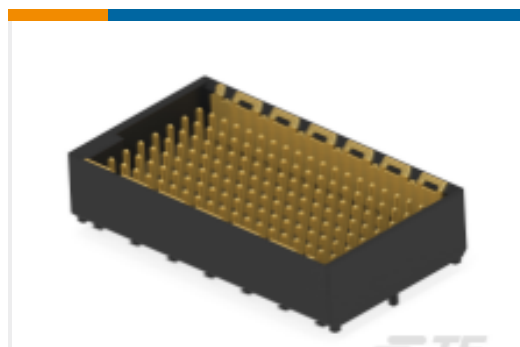
TE Part #214352-E
MSPEED 133 F SMD F4 * A-G VVV 137 094 *



TE Part #254877-E
MSPEED 50 M SMD M1 B AB VV 137 094 * * E



TE Part #1-1461491-8
PCN-124D3MH,000



TE Part #214355-E
MSPEED 133 M SMD M1 * A-G VVV 137 176 *



TE Part #MS580302BA01-10
MS5803-02BA 2BAR W GEL P-CAPS

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_MS583730BA01-50_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_MS583730BA01-50_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_MS583730BA01-50_1.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

MS5837-30BA

English

