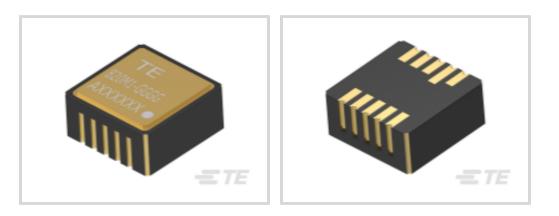


MEAS | MEAS 810 TE Internal #: 20005837-00 Piezoelectric Accelerometer, Uniaxial Sensing, Solder, MEAS 810 View on TE.com >



Sensors > Vibration Sensors > 820M1 Single Axis SMT Accelerometers



Accelerometer Type: 3-Wire Voltage

Vibration Sensor Product Type: Piezoelectric Accelerometer

Number of Sensing Axes: Uniaxial

Frequency Response: 2 to 10000 Hz

Full Scale Output Voltage: ±1.25 VDC

All 820M1 Single Axis SMT Accelerometers (10)

Features

Product Type Features

Sensor Package

Accelerometer Type

Embedded

3-Wire Voltage

Piezoelectric Accelerometer
2.8 – 5.5 VDC
±1.25 VDC
2 to 10000 Hz
1 g[.04 oz]
Ceramic
Uniaxial
Solder
-40 – 125 °C[-40 – 257 °F]

820M1-0050

Piezoelectric Accelerometer, Uniaxial Sensing, Solder, MEAS 810



Operation/Application

Output Current Type	AC
Industry Standards	
IP Rating	IP68
Other	
Sensitivity Range	25 mV/g
Overall Acceleration Range (±)	50 g
Non-Linearity (FSO)	±1 %
Acceleration Range (±)	50 g
Sensitivity	25 mV/g

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	Out of Scope
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 2025 (247)

Halogen Content

Solder Process Capability

Product Compliance Disclaimer

Candidate List Declared Against: JAN 2025

(247)

SVHC > Threshold:

Pb (21.7% in Component Part)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Not Yet Reviewed for halogen content

Not reviewed for solder process capability

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

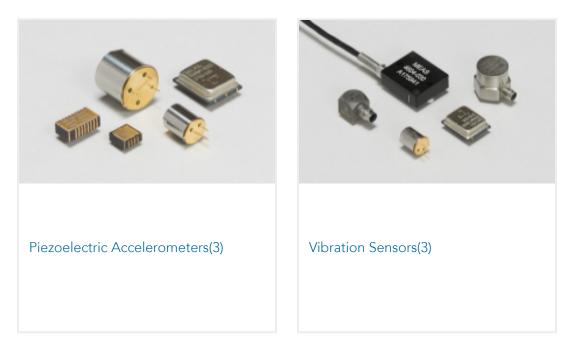
Piezoelectric Accelerometer, Uniaxial Sensing, Solder, MEAS 810



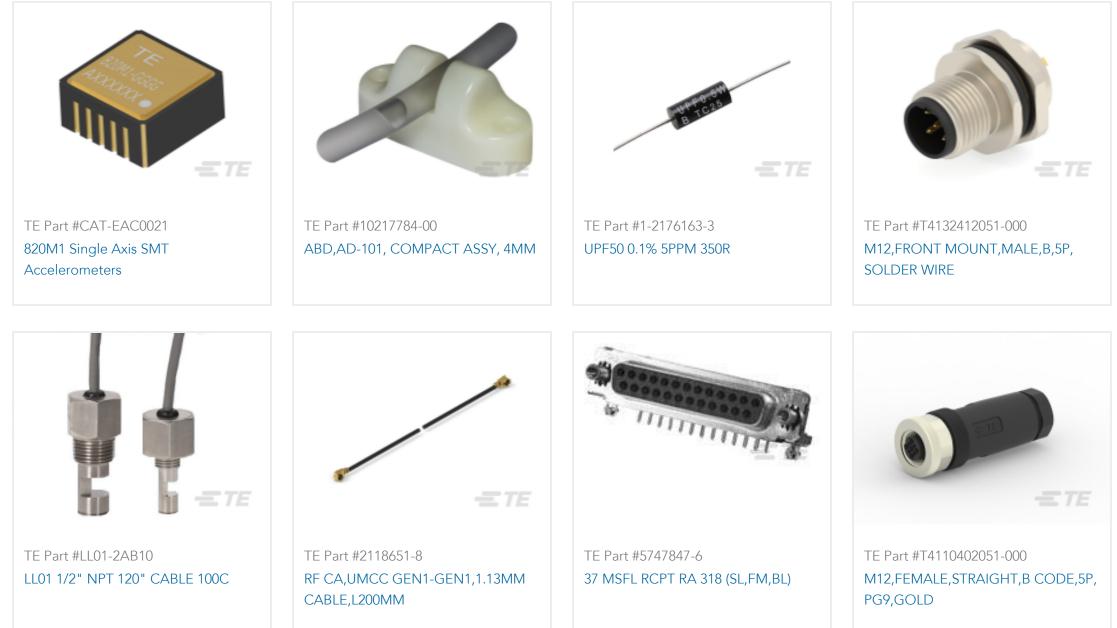
Compatible Parts

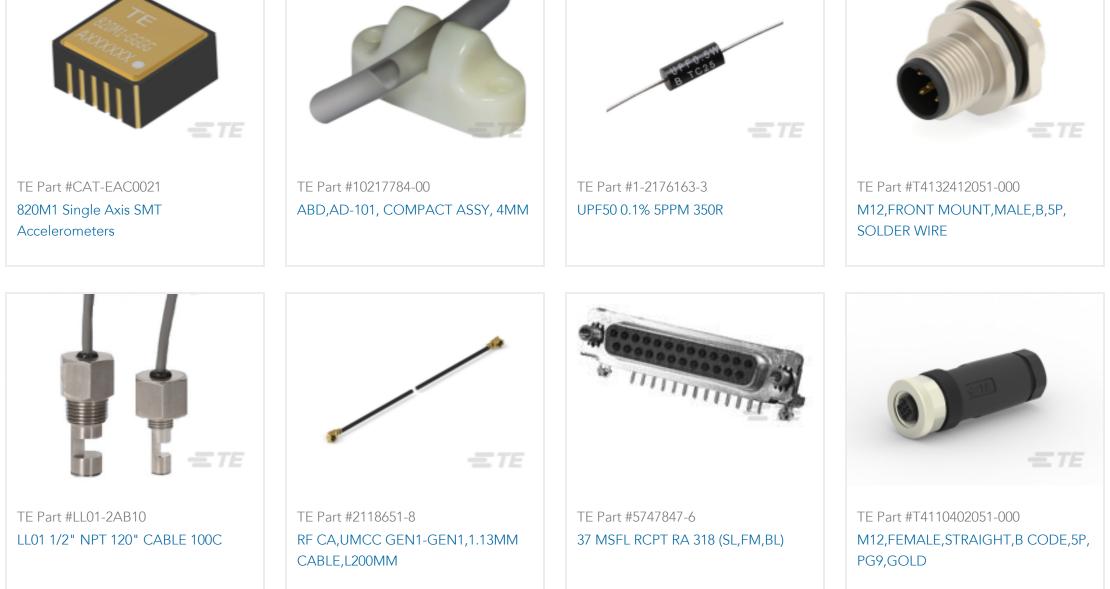


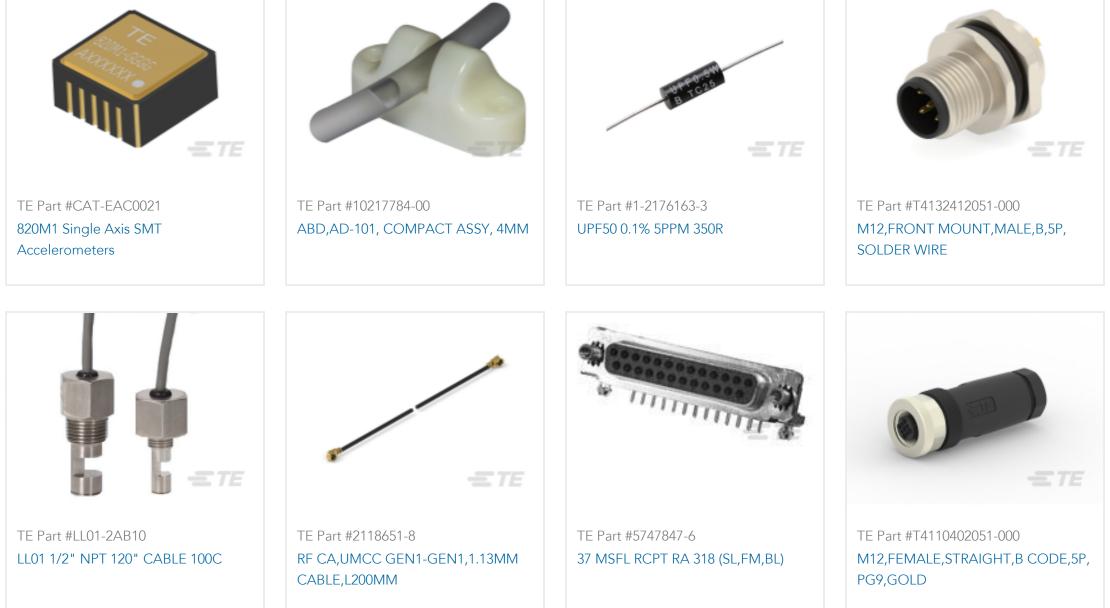
Also in the Series MEAS 810



Customers Also Bought







820M1-0050

Piezoelectric Accelerometer, Uniaxial Sensing, Solder, MEAS 810





Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_20005837-00_C.2d_dxf.zip

English

Customer View Model ENG_CVM_CVM_20005837-00_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_20005837-00_C.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use

Datasheets & Catalog Pages MODEL 820M1 ACCELEROMETER

English

Product Specifications Manuals & User Guides

English