# 805M1-0020  ✓ ACTIVE

**MEAS | MEAS 805**

TE Internal #: 805M1-0020

Piezoelectric Accelerometer, Uniaxial Sensing, Adhesive, MEAS 805

View on TE.com >

Sensors > Vibration Sensors



Accelerometer Type:  **3-Wire Voltage**

Vibration Sensor Product Type:  **Piezoelectric Accelerometer**

Number of Sensing Axes:  **Uniaxial**

Frequency Response:  **1 to 8000 Hz**

Full Scale Output Voltage:  **±2 VDC**

## Features

### Product Type Features

| | |
|---|---|
| Sensor Package | Embedded |
| Accelerometer Type | 3-Wire Voltage |
| Vibration Sensor Product Type | Piezoelectric Accelerometer |

### Electrical Characteristics

| | |
|---|---|
| Excitation Voltage Range | 3 - 5.5 VDC |
| Full Scale Output Voltage | ±2 VDC |

### Signal Characteristics

| | |
|---|---|
| Frequency Response | 1 to 8000 Hz |

### Body Features

| | |
|---|---|
| Primary Product Material | Stainless Steel |
| Product Weight | 5 g[.17 oz] |
| Number of Sensing Axes | Uniaxial |

### Mechanical Attachment

| | |
|---|---|
| Sensor Mount Type | Adhesive |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 - 100 °C[-40 - 212 °F] |

### Operation/Application

| | |
|---|---|
| Output Current Type | AC |

## Other

| | |
|---|---|
| Non-Linearity (FSO) | ±1 % |
| Acceleration Range (±) | 20 g |
| Sensitivity | 100 mV/g |

## Product Compliance

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

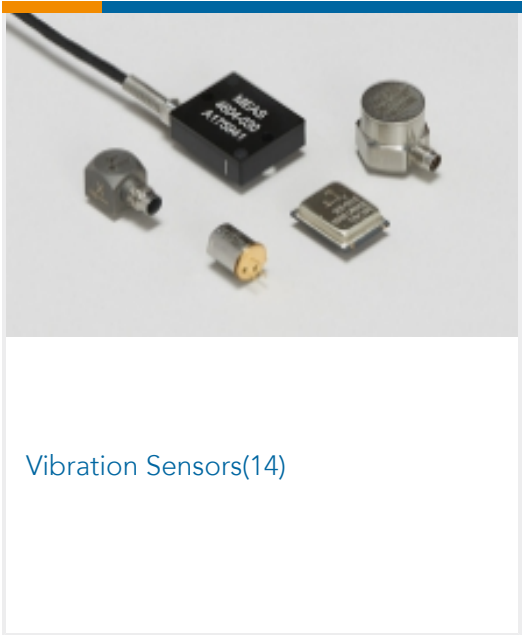| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2024 (240)<br>Candidate List Declared Against: JUNE 2023 (235)<br>SVHC > Threshold:<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (.15% in Component part) |
| 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
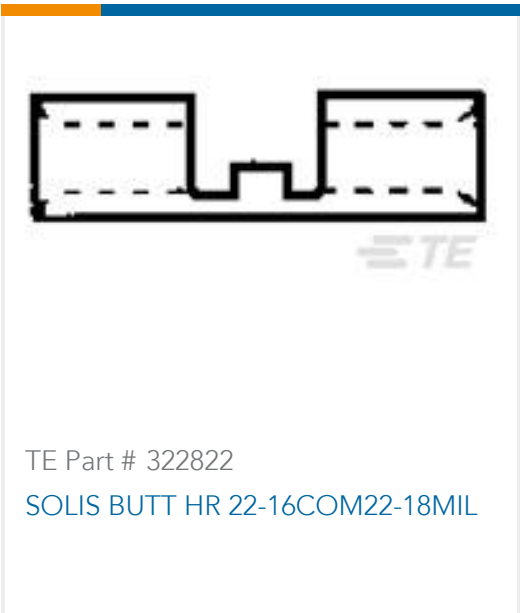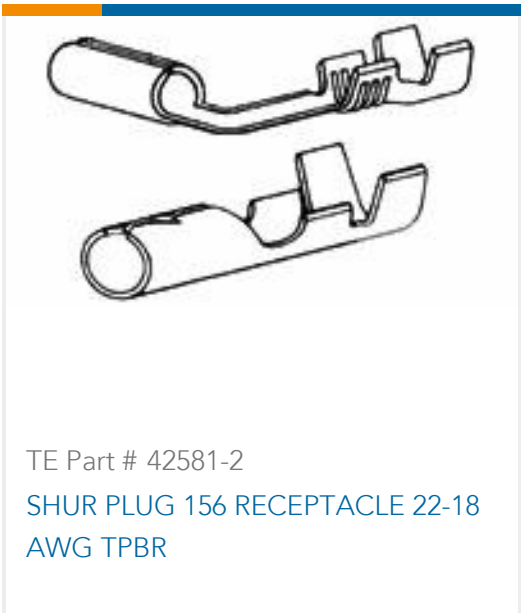
## Compatible Parts

TE Part # 805M1-0020-01

805M1-0020-01 TO-5 Accelerometer

## Also in the Series | MEAS 805

Vibration Sensors(14)

## Customers Also Bought

TE Part # 2301844-2

AMPL REC HD20, R/A, 9P, B/L,4-40 S/LOCK

TE Part # 322328

TERMINAL,SOLIS R HT 16-14 4

TE Part # 1-969973-0

2x10P HV100 REC. CON, SMD, GOLD, BLISTER

TE Part # 1622918-1

CRG0603 1% 330R

TE Part # 1622829-1

CRG0603 1% 10K

TE Part # 42581-2

SHUR PLUG 156 RECEPTACLE 22-18 AWG TPBR

TE Part # 1676143-3

RN 0805 100R 0.1% 10PPM 5KRL

TE Part # 322822

SOLIS BUTT HR 22-16COM22-18MIL

## Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_805M1-0020_M.2d_dxf.zip

English

## Customer View Model

ENG_CVM_CVM_805M1-0020_M.3d_igs.zip

English

## Customer View Model

ENG_CVM_CVM_805M1-0020_M.3d_stp.zip

English

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

## Datasheets & Catalog Pages

805M1_Accelerometer

English