



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

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

### Mechanical Attachment

|                   |             |
|-------------------|-------------|
| Sensor Mount Type | Screw Mount |
|-------------------|-------------|

### 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 | Out of Scope |
|-----------------------------|--------------|

|   |  |
|---|--|
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量超出标准 Restricted Substance(s) Above Threshold |
|---|--|

|  |   |
|--|---|
| EU REACH Regulation (EC) No. 1907/2006 | <p>Current ECHA Candidate List: JUNE 2025 (250)</p> <p>Candidate List Declared Against: JUNE 2025 (250)</p> <p>SVHC &gt; Threshold:</p> <p>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (.14% in Component Part)</p> <p>Pb (18% in Component Part)</p> <p><b>Article Safe Usage Statements:</b><br/>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.</p> |
|--|---|

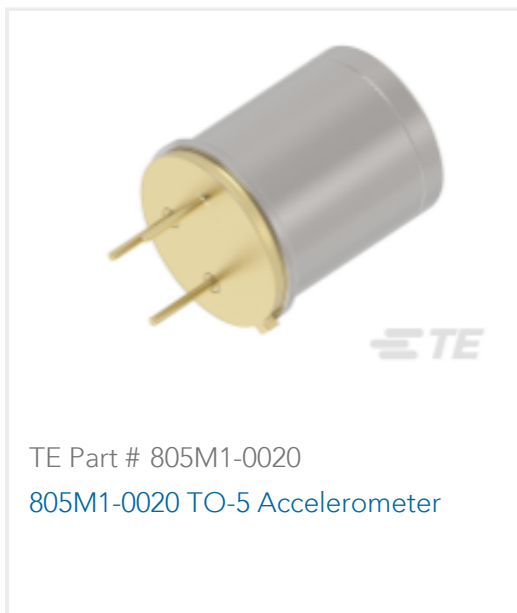
|                 |                                      |
|-----------------|--------------------------------------|
| Halogen Content | Not Yet Reviewed for halogen content |
|-----------------|--------------------------------------|

|                           |  |
|---------------------------|--|
| Solder Process Capability | Not reviewed for solder process capability |
|---------------------------|--|

### Product Compliance Disclaimer

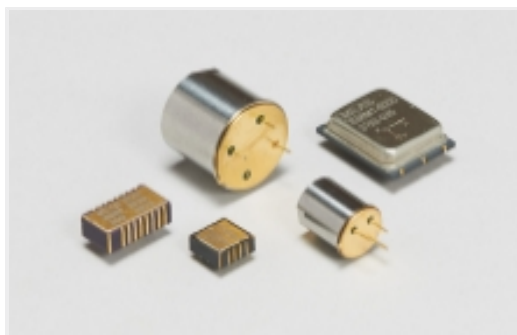
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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  
805M1-0020 TO-5 Accelerometer

### Also in the Series | MEAS 805



Piezoelectric Accelerometers(13)



Vibration Sensors(13)

### Customers Also Bought



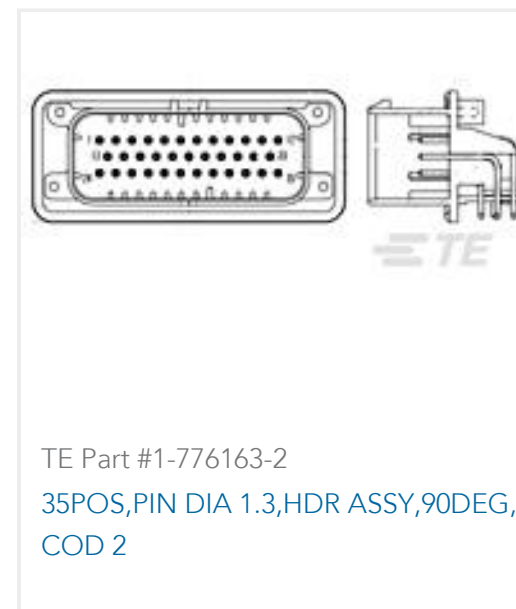
TE Part #11026911-00  
LD TM-028K



TE Part #34104-6  
SOLIS R 22-16 4 NIPL



TE Part #91388-1  
PRO-CRIMPER TOOL & DIE



TE Part #1-776163-2  
35POS,PIN DIA 1.3,HDR ASSY,90DEG,  
COD 2



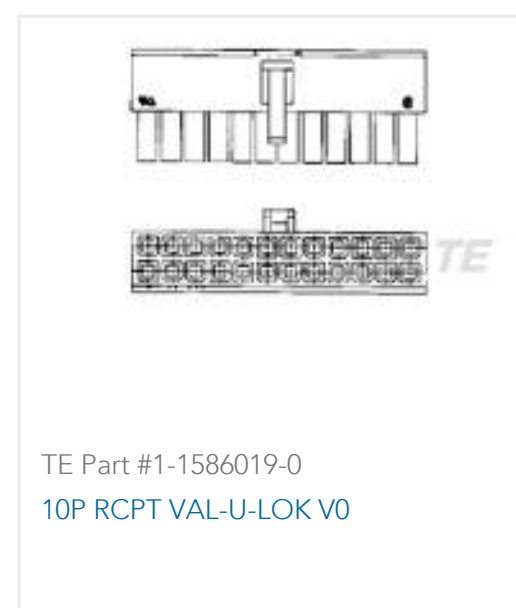
TE Part #1-968696-3  
4POS MQS TAB COD A



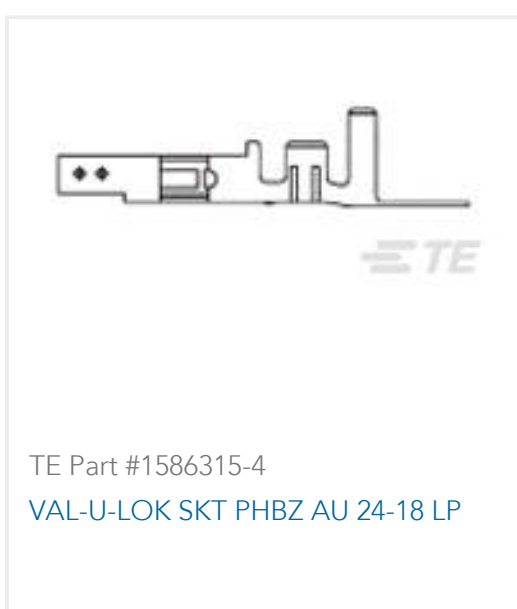
TE Part #1241150-5  
5P MOD II BREAK AWAY HDR , SMD,  
BLISTER



TE Part #1513504-1  
100930LF MOLDED STAMPED  
ANTENNA



TE Part #1-1586019-0  
10P RCPT VAL-U-LOK V0



TE Part #1586315-4  
VAL-U-LOK SKT PHBZ AU 24-18 LP



TE Part #2118706-2  
1 PC STD SHIELD, CRS-13.66X12.70X2.  
54MM



## Documents

### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_805M1-0020-01\\_M.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_805M1-0020-01\\_M.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_805M1-0020-01\\_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