



Sensors > Vibration Sensors



Accelerometer Type: **MEMS DC**

Vibration Sensor Product Type: **MEMS Accelerometer**

Number of Sensing Axes: **Uniaxial**

Full Scale Output Voltage: **±1 VDC**

Sensor Mount Type: **Solder**

Features

Product Type Features

|                               |                    |
|-------------------------------|--------------------|
| Sensor Package                | Embedded           |
| Accelerometer Type            | MEMS DC            |
| Vibration Sensor Product Type | MEMS Accelerometer |

Electrical Characteristics

|                           |            |
|---------------------------|------------|
| Zero Acceleration Output  | ±25 mV     |
| Excitation Voltage Range  | 2 – 10 VDC |
| Full Scale Output Voltage | ±1 VDC     |

Body Features

|                          |          |
|--------------------------|----------|
| Primary Product Material | Ceramic  |
| Product Weight           | .6 g     |
| Number of Sensing Axes   | Uniaxial |

Mechanical Attachment

|                   |        |
|-------------------|--------|
| Sensor Mount Type | Solder |
|-------------------|--------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |    |
|---------------------|----|
| Output Current Type | DC |
|---------------------|----|

Other



|                        |          |
|------------------------|----------|
| Non-Linearity (FSO)    | ±1 %     |
| Acceleration Range (±) | 2000 g   |
| Sensitivity            | .08 mV/g |

Product Compliance

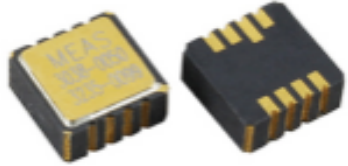
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                      |
| EU ELV Directive 2000/53/EC                   | Out of Scope                                                                                                                   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                        |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUN 2020 (209)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Yet Reviewed for halogen content                                                                                           |
| Solder Process Capability                     | Not reviewed for solder process capability                                                                                     |

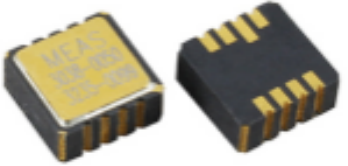
Product Compliance Disclaimer

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>

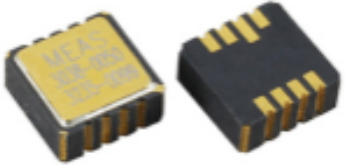
Compatible Parts



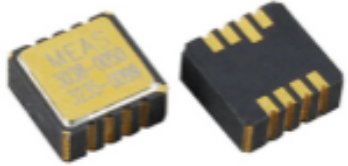
TE Part # 3038-0200  
3038-0200 SMT Accelerometer



TE Part # 3038-6000  
3038-6000 SMT Accelerometer



TE Part # 3038-0500  
3038-0500 SMT Accelerometer



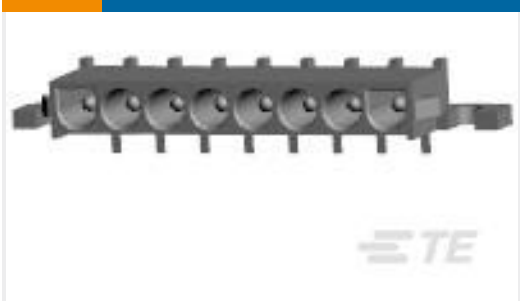
TE Part # 3038-0050  
3038-0050 SMT Accelerometer

Also in the Series | MEAS 3038



Vibration Sensors(9)

Customers Also Bought



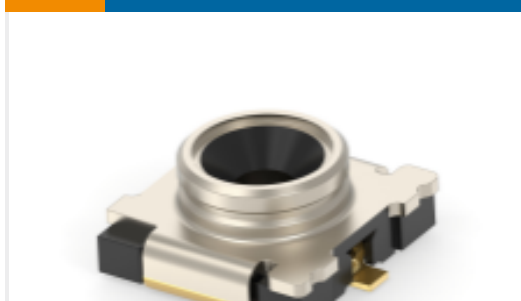
TE Part #640584-3  
08P UMNL HDR ASSY R/A 94VO LF



TE Part #1624158-2  
23E 4K7B 6.35X50FL B7 CAT



TE Part #5787428-1  
HDR ASY,RA,LKEY,STR TAIL,12.0V



TE Part #2081956-1  
RF SWITCH



TE Part #5-2176349-8  
CRGCQ 2512 560K 1%



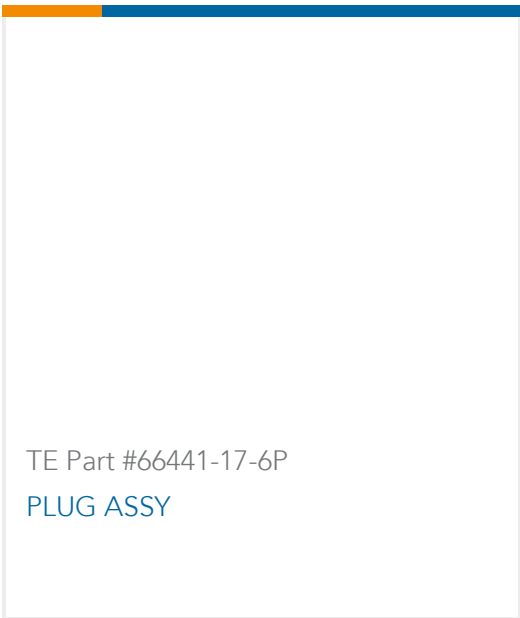
TE Part #CL0859-000  
SST-48-04/FR/97



TE Part #NB08866001  
ATUM-12/3-0-1IN



TE Part #1-2221860-3  
AMPLIMITE IP67,SZ3, 90, 44 POS,IFS, PLUG



TE Part #66441-17-6P  
PLUG ASSY



TE Part #10202304-00  
PRESS XDCR M5251-000005-01KPG

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3038-2000\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3038-2000\_E.3d\_igs.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_3038-2000\\_E.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[3038\\_Accelerometer](#)

English