



Sensors > Force Sensors > Force Sensor Elements



Force Sensor Type: OEM Compression Load Cells

Full Scale Range: 500 lbf

Operating Temperature Range: -40 – 85 °C [-40 – 185 °F]

Output Signal Type: .5 – 4.5 V

Features

Product Type Features

Force Sensor Type	OEM Compression Load Cells
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Electrical Characteristics

Supply Voltage Range	5 VDC
Full Scale Range	500 lbf

Usage Conditions

Accuracy	±1 % of FS
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Output Signal Type	.5 – 4.5 V
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Other

Zero Shift in CTR	±.05 % of FS
Sensitivity Shift	±.05 % of FS
Force Direction	Compression

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 2024 (241)
Candidate List Declared Against: JUNE 2023 (235)
SVHC > Threshold:
Decamethylcyclopentasiloxane (D5) (.12% in Adhesive)
Dodecamethylcyclohexasiloxane (D6) (.26% in Adhesive)
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (.15% in Solder Mask)
Article Safe Usage Statements:
Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

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 # FS2050-000X-1500-G
FS2050-1500G SENSOR(VERTICAL)



TE Part # FS2050-0000-1500-G
FS2050 COMPRESSION LC1500 GRAM

Also in the Series | MEAS FS20



Force Sensor Elements(18)

Customers Also Bought



TE Part #3-6609106-0
PS0S0DHXB=C1178



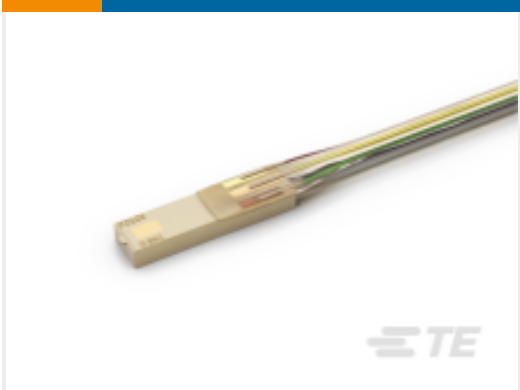
TE Part #GA10K3MBD1
MBD9-PROBE



TE Part #10217784-00
ABD,AD-101, COMPACT ASSY, 4MM



TE Part #20015885-02
Compression Load Cell - 0.5-4.5V



TE Part #SMI-1A-48-180-BMAP
Calibrated IntraSense



TE Part #85-050A-0P
NISO,ABS,NO FIT,COMP



TE Part #FX1900-0002-0025-L
COIN LOADCELL WITH 100MM CABLE



TE Part #SM3041-015-D-C-3-S
MEDIUM PRESSURE I2C DIGITAL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_FS2030-000X-0500-G_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_FS2030-000X-0500-G_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_FS2030-000X-0500-G_F.3d_stp.zip

English

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

Datasheets & Catalog Pages

FS20

English

