



MEAS | FS19

TE Internal #: FS1901-0000-0500-G

TE Internal Description: 500 GRAM FORCE 20MV/V FORCE LOAD CELL

FORCE LOAD CELL - 20MV/V

[View on TE.com >](#)

Sensors > Force Sensors > FORCE LOAD CELL - 20MV/V



Force Sensor Type: OEM Compression Load Cells

Force Direction: Compression

Full Scale Range: 5 Newton

Operating Temperature Range: 0 – 40 °C [32 – 104 °F]

Supply Voltage Range: 5 VDC

[All FORCE LOAD CELL - 20MV/V \(4\)](#)

Features

Product Type Features

Force Sensor Type	OEM Compression Load Cells
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Electrical Characteristics

Full Scale Range	5 Newton
Supply Voltage Range	5 VDC

Usage Conditions

Operating Temperature Range	0 – 40 °C[32 – 104 °F]
Accuracy	±1 % of FS

Operation/Application

Output Signal Type	20 mV/V
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Other

Force Direction	Compression
Zero Shift in CTR	±.05 %FS/°C
Sensitivity Shift	±.05 %FS/°C

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: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

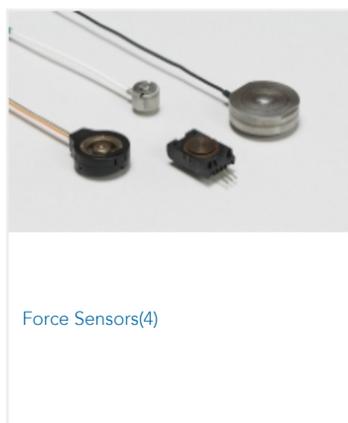
Product Compliance Disclaimer

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



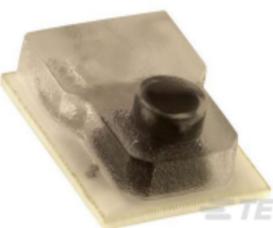
Also in the Series | FS19



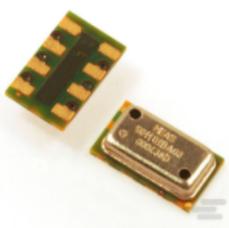
Customers Also Bought



TE Part #20009605-12
FX293X-100A-0010-L



TE Part #20005913-05
PRES,SENSOR,MPS;1620-H-N-T(H=A)



TE Part #MS560702BA03-50
MS5607-02BA SS CAP ALTIMETER T&R



TE Part #5-103329-8
08 MODII HDR SRRA B/A .100 CL LF



TE Part #9-1618387-5
LEV200HOANA01=RELAY, SPST-NO



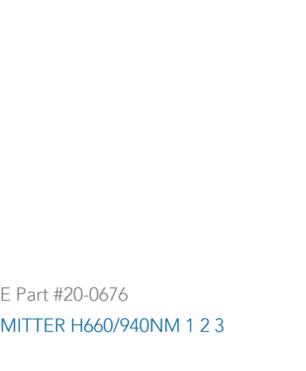
TE Part #8-1879354-8
RR03 5% 1K3 AMMO



TE Part #F344156001
RW-175-3/4-0-RSU-STK



TE Part #XA113
DISPOSABLE GENERAL PURPOSE PROBE



TE Part #20-0676
EMITTER H660/940NM 1 2 3



TE Part #85-030A-FC
ASSY,85 FLMT,CBL-CONN

Documents

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_FS1901-0000-0500-G_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_FS1901-0000-0500-G_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_FS1901-0000-0500-G_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[FS19](#)

English

