FX1901-0001-0050-L ✔ ACTIVE

MEAS | MEAS FX1901

TE Internal #: FX1901-0001-0050-L

TE Internal Description: FX1901-0001-0050-L

View on TE.com >

Sensors > Force Sensors > Force Sensor Elements



Force Sensor Type: **OEM Compression Load Cells**

Full Scale Range: **50 lbf**

Operating Temperature Range: **0 – 50 °C [32 – 122 °F]**

Features

Product Type Features

Force Sensor Type	OEM Compression Load Cells

Electrical Characteristics

Supply Voltage Range	5 VDC
Full Scale Range	50 lbf

Usage Conditions

Accuracy	±1 % of FS
Operating Temperature Range	0 – 50 °C[32 – 122 °F]

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: JAN 2024 (240)

	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



TE Part # FX1901-0001-0200-L
200 LBF COMPRESSION LOAD CELL 100MV



TE Part # FX1901-0001-0100-L
FX1901-0001-0100-L



TE Part # FX1901-0001-0025-L
FX1901-0001-0025-L

Also in the Series | MEAS FX1901



Force Sensor Elements(6)

Customers Also Bought

FX1901-0001-0050-L



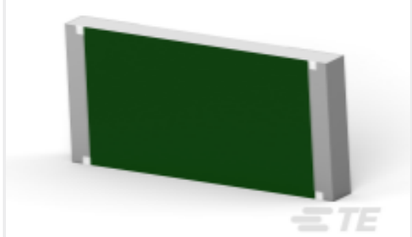
TE Part #4-2176055-8
RLP73K 2B R91 1% 1K RL



TE Part #1623174-1
CRG0805 1% 2K2



TE Part #2042274-2
ELCON MINI 2P VERT HEADER,W/O CODING



TE Part #2176403-3
3550 1R2 1%



TE Part #20009605-11
FX293X-040B-0100-L



TE Part #FX1901-0001-0100-L
FX1901-0001-0100-L



TE Part #1-1718290-1
CLIP SPRING



TE Part #2304883-1
CA,ET, 2POS, SHORT PULL-TAB,NO DETECT

TE Part #4525-TP5A150GPF
PRESS XDCR, ANALOG, PSI RANGE

TE Part #PF5010155

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_FX1901-0001-0050-L_G.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_FX1901-0001-0050-L_G.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_FX1901-0001-0050-L_G.3d_stp.zip

English

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

Datasheets & Catalog Pages

FX19

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

T4113011021-000 175020-1 2267795-2 59803-1 AKUA876NN0085152A000 SMF71K6JT 1-1123722-3 TAD1483A201-002 1-178140-5 1-480701-0 620144-000 T4110001051-000 1-179554-3 2071556-7 2303206-4 2388278-1 1-178128-4 172495-1 178964-5 2840451-1 9-1318119-3 T1330060132-000 1376477-4 175024-1 1877285-7 2425753-2 353715-2 917700-1 937313-1 T2020001005-000