



Sensors > Force Sensors > Force Sensor Elements



Force Sensor Type: OEM Compression Load Cells

Full Scale Range: 25 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     | 25 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                                                                                       |
| 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)<br>Candidate List Declared Against: JAN 2024 (240) |



SVHC > Threshold:  
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (.14% in Component Part)

|                           |                                                |
|---------------------------|------------------------------------------------|
| 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



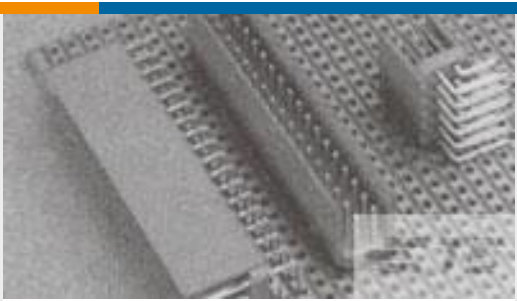
TE Part # FX1901-0001-0025-L  
FX1901-0001-0025-L

Also in the Series | MEAS FX1901

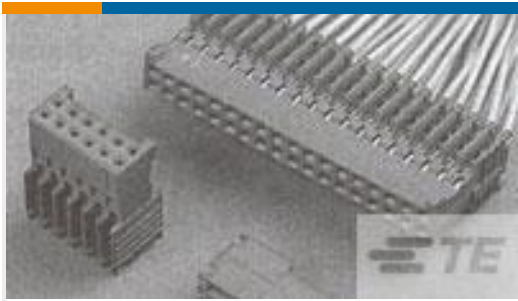


Force Sensor Elements(6)

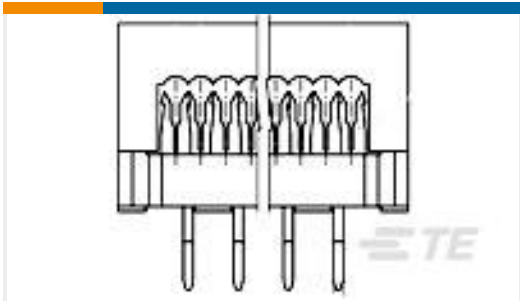
Customers Also Bought



TE Part #281739-3  
HEADER HE14 STRAIGHT 2X3 P



TE Part #281792-3  
PLUG HE14 IDC 180 2X3 P AWG 28-26



TE Part #1-111382-4  
10 DIP PLUG, LEAD FREE



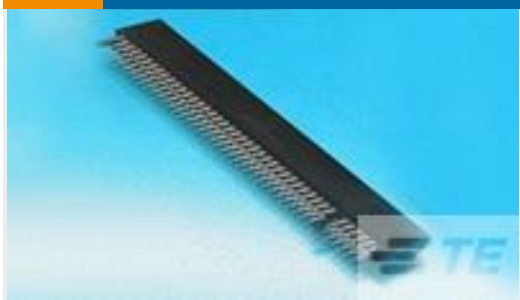
TE Part #2081890-1  
EP-SMA,ADAPTER,STRAIGHT,27GHZ, M TO M



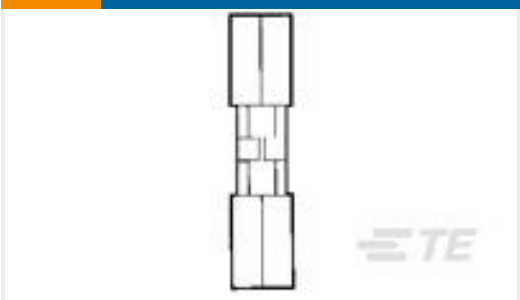
TE Part #FS1901-0000-1000-G  
1000 GRAM FORCE 20MV/V FORCE LOAD CELL



TE Part #2-640445-0  
20P MTA156 HDR ASSY FL/STR SN



TE Part #8-5530843-3  
CONN SEC II 12 POS 100C/L



TE Part #8-321198-1  
SPLICE,SOLIS BUTT 26-22



TE Part #BAT-HLD-001  
Battery Holder 2032 2025 SMT Bulk Pack



TE Part #GA100K6A441LEVB  
ESAD-ESA DISCRETE-400601307

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_FX1900-0000-0025-L\_G.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_FX1900-0000-0025-L\_G.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_FX1900-0000-0025-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