



Sensors > Position Sensors > Potentiometer Sensors > Cable Actuated Position Sensors



Position Sensor Product Type: **SG Series String Pots**

Full Stroke Range: **2032 mm [80 in]**

Output Signal Type: **Voltage Divider (Potentiometric)**

Accuracy: **±.35 % of FS**

Repeatability: **.02 % of FS**

Features

Product Type Features

Position Sensor Product Type	SG Series String Pots
------------------------------	-----------------------

Body Features

Case Material	Polycarbonate + Stainless Mounting Bracket
---------------	--

Dimensions

Full Stroke Range	2032 mm[80 in]
-------------------	----------------

Usage Conditions

Accuracy	±.35 % of FS
Operating Temperature Range	-40 – 70 °C[-40 – 158 °F]

Operation/Application

Output Signal Type	Voltage Divider (Potentiometric)
--------------------	----------------------------------

Industry Standards

IP Rating	IP50
-----------	------

Other

Encoder Drive	No
Repeatability	.02 % of FS
Measuring Cable	Nylon-Coated Stainless Steel



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	Compliant
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 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (3.5% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. 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 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 # 9036810-0040
CONN,PLUG,STRGHT,4COND,5M, SC4



TE Part # SG1-120-2
STRING POT, 120 INCH RANGE

Also in the Series | MEAS SG



Cable Actuated Position Sensors(14)

Customers Also Bought



TE Part #SP2-25
STRING POT 25 INCH RANGE



TE Part #CLP-150
LINEAR POT, IP65, 150MM RANGE



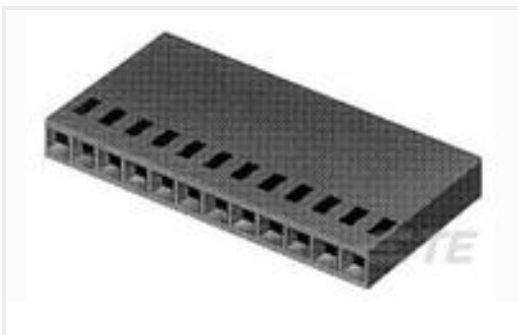
TE Part #DT04-12PA-P026
REC, 12P, GRY, BUSBAR 2X6, NICKEL, A



TE Part #SP2-12
STRING POT 12.5 INCH RANGE



TE Part #SP1-25
STRING POT 25.0 INCH RANGE



TE Part #3-87499-8
20 MODIV HSG COMP SR .100CL



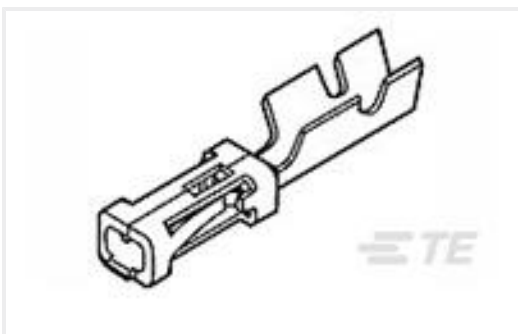
TE Part #5-103639-3
04 MTE HDR SRST LATCH .100CL



TE Part #1-1462051-2
HF3 93 = 50OHM 140MW 5V BIST 2COIL



TE Part #1718705-1
SINGLE WIRE SEAL,COLLAR DIA 2,



TE Part #1-87523-8
MOD IV RECP PLTD 30 DPLX

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_SG1-80-2_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_SG1-80-2_1.3d_igs.zip



English

Customer View Model

[ENG_CVM_CVM_SG1-80-2_1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[SG1](#)

English