



Sensors > Position Sensors > Potentiometer Sensors > Cable Actuated Position Sensors > String Pots - SG1



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

Full Stroke Range: **3048 mm [120 in]**

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

Accuracy: **±.35 % of FS**

Repeatability: **.02 % of FS**

[All String Pots - SG1 \(3\)](#)

Features

Product Type Features

Position Sensor Product Type	SG Series String Pots
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Body Features

Case Material	Polycarbonate + Stainless Mounting Bracket
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Dimensions

Full Stroke Range	3048 mm[120 in]
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Usage Conditions

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

Operation/Application

Output Signal Type	Voltage Divider (Potentiometric)
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Industry Standards

IP Rating	IP50
Hazardous Area Approval	None

Other

Repeatability	.02 % of FS
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Encoder Drive	No
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 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: JAN 2025 (247) 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 # SG1-80-3
STRING POT, 80 INCH RANGE



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

Also in the Series | MEAS SG



Cable Actuated Position Sensors(14)

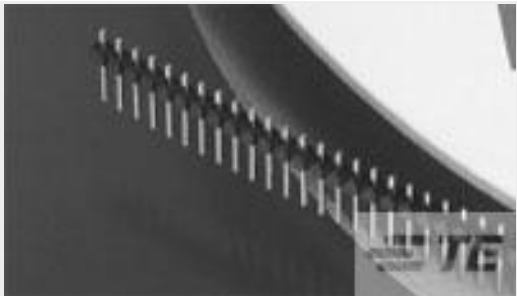
Customers Also Bought



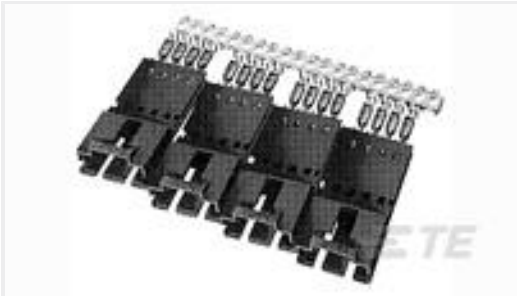
TE Part #5-103961-3
5X4 MTE RCPT SR LATHC .100CL



TE Part #103957-2
8X3 MTE RCPT SR LATCH .100CL



TE Part #5-146868-1
B/A REELED SRST HDR ASSY 30 AU



TE Part #5-103945-4
4X5 MTE SHRD PIN SR LATCH .100



TE Part #103669-1
02 MTE HDR SRST LATCH W/HLDWN



TE Part #5-103960-4
4X5 MTE RCPT SR LATCH .100CL



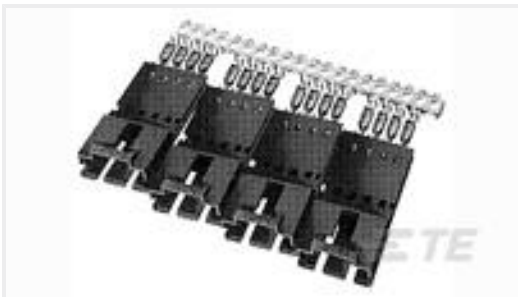
TE Part #5-103960-2
8X3 MTE RCPT SR LATCH .100CL



TE Part #5-103944-2
5X3 MTE SHRD PIN SR POL .100



TE Part #SM1-7
STRING POT, 7.5 INCH RANGE



TE Part #5-103945-3
4X4 MTE SHRD PIN SR LATCH .100

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_SG1-120-3_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_SG1-120-3_1.3d_igs.zip



English

Customer View Model

[ENG_CVM_CVM_SG1-120-3_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