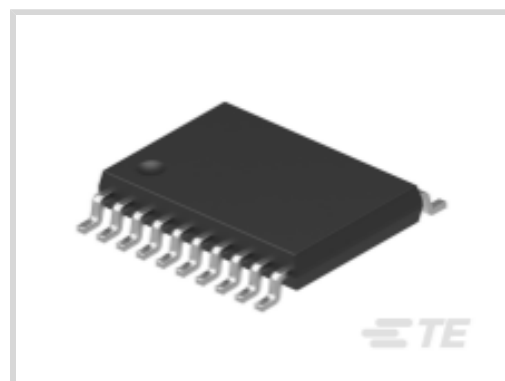




Sensors > Position Sensors > Magnetic Sensors > Magnetic Encoders: KMA36



Magnetic Sensor Product Type: **Contactless Rotational and Linear Encoder**

Magnetic Sensor Package: **TSSOP20**

Signal Output: **Analog, Digital**

Typical Operating Voltage: **3 – 5.5 V**

Operating Temperature Range: **-25 – 85 °C [-13 – 185 °F]**

[All Magnetic Encoders: KMA36 \(1\)](#)

Features

Product Type Features

Magnetic Sensor Product Type	Contactless Rotational and Linear Encoder
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Electrical Characteristics

Sleep Current	1.2 mA
Typical Operating Voltage	3 – 5.5 V
Typical Average Current	10 – 30 mA

Usage Conditions

Operating Temperature Range	-25 – 85 °C [-13 – 185 °F]
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Operation/Application

I2C Clockrate	Up to 100 Kb/s
Data Update Rate	24 – 720 Hz
Signal Output	Analog, Digital

Packaging Features

Magnetic Sensor Package	TSSOP20
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Other

Resolution	13 bit
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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 2023 (235) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

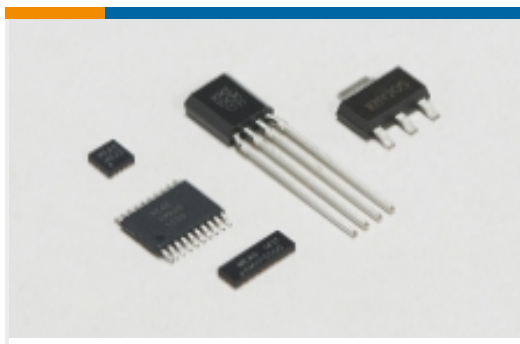
Product Compliance Disclaimer

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



Also in the Series | [MEAS KMA](#)



Magnetic Sensors(1)

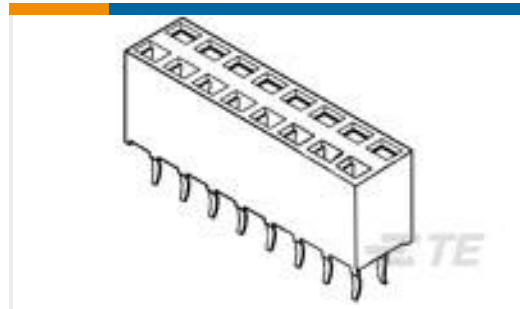
Customers Also Bought



TE Part #1-1879378-2
TLR 2512 2.0W R003 1% 150PPM 2K RL



TE Part #194009-1
PIN ASSY..070



TE Part #215309-5
2X5P HV100 REC CON. TE, 8.5MM



TE Part #9-1879215-5
CPF 0402 44K2 0.1% 25PPM 1K RL



TE Part #1879217-7
CPF 0603 240K 0.1% 25PPM 1K RL



TE Part #8-1624112-6
3650 0603 82nH 5% 2K RL



TE Part #5-2600021-5
XRC SOCKET 20-24 AWG Gold Plated



TE Part #6-1676966-7
SMW2 56R 5%



TE Part #5-2600020-3
XRC PIN TERMINAL 20-24 AWG Gold Plated



TE Part #374380-E
STVTE 160 FI ABCDE VVVV 7-03 TL-S
** 2

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_G-MRMO-031_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_G-MRMO-031_1.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_CVM_G-MRMO-031_1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[KMA36 Data Sheet](#)

English