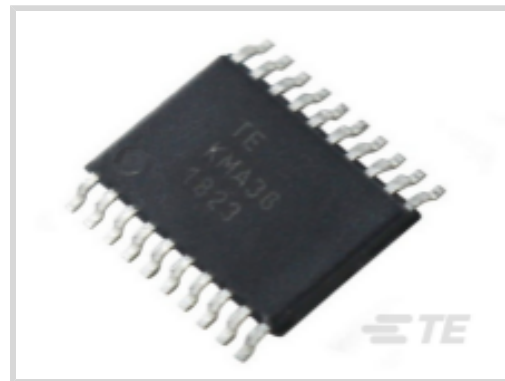




Sensors > Position Sensors > Magnetic Sensors > AMR SENSOR COMPONENT STOCK LIST



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 AMR SENSOR COMPONENT STOCK LIST \(7\)](#)

## Features

### Product Type Features

|                              |   |
|------------------------------|---|
| Magnetic Sensor Product Type | Contactless Rotational and Linear Encoder |
|------------------------------|---|

### 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 ] |
|-----------------------------|------------------------------|

### 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 |
|-------------------------|---------|

### Other

|            |        |
|------------|--------|
| Resolution | 13 bit |
|------------|--------|

## 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                   | Not Yet Reviewed  |
| 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: JUN 2020 (209)<br>Candidate List Declared Against: JUN 2020 (209)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Yet Reviewed for halogen content  |
| Solder Process Capability                     | Not reviewed for solder process capability  |

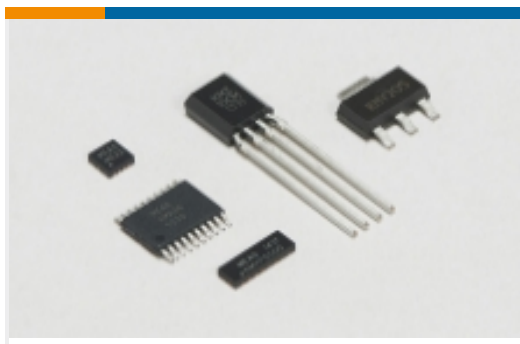
### Product Compliance Disclaimer

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(2)

## Customers Also Bought



TE Part #DPP401Z000  
KMA36 DIGILENT PMOD



TE Part #6-2176379-5  
RQ 0805 499R 0.1% 10PPM 5K RL



TE Part #5-2176304-6  
RP 1E 0.1W 37R4 0.1% 25PPM 5K RL



TE Part #1-208223-1  
CPC RCPT ASSEMBLY SIZE 13-9



TE Part #3-2176304-7  
RP 1E 0.1W 23R7 0.1% 25PPM 5K RL



TE Part #G-MRMO-050  
AMR POSITION SENSORS



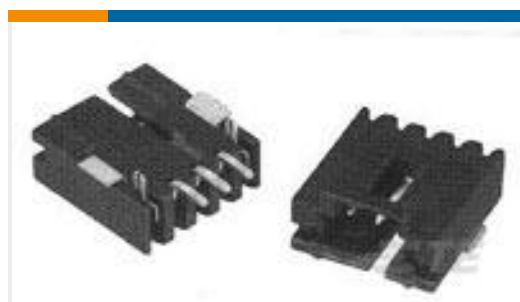
TE Part #1734742-7  
0.5mm FPC Connectors



TE Part #2267080-2  
TMS1T1B1M1QE



TE Part #2267088-4  
RAD1R102M6QES



TE Part #147324-5  
06 MTE HDR SRRA SMT.100CL

## 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 universal magnetic encoder](#)

English