

MEAS | MEAS TSYS

TE Internal #: G-NICO-018

TE Internal Description: 0.1 DEG C ACCURACY QFN TEMP

SENSOR

View on TE.com >



Sensors > Temperature Sensors > Digital Temperature Sensors





Model Number: TSYS01

Digital Temperature Sensor Type: Digital IC Temperature Sensor

Digital Temperature Sensor Package: QFN16

Output/Span Resolution: 16 bit, 24 bit Temperature Sensor Accuracy: ±.1 °C

Features

Product Type Features	
Model Number	TSYS01
Digital Temperature Sensor Type	Digital IC Temperature Sensor
Electrical Characteristics	
Digital Temperature Sensor Supply Voltage	2.2 – 3.6 V
Supply Current (Max)	12.5 μΑ
Termination Features	
Wire/Cladding/Connection	SMD
Dimensions	
	.157 in
Digital Temperature Sensor Length	4 mm[.157 in]
Digital Temperature Sensor Width	4 mm
Digital Temperature Sensor Height	.85 mm[.033 in]
Usage Conditions	
Accuracy T_Range	-5 – 50 °C
Operating Temperature Range	-40 - 125 °C[-40 - 257 °F]
Operation/Application	

16 bit, 24 bit

Output/Span Resolution



Temperature Sensor Accuracy	± .1 °C
Output Interface	I2C, SPI
Packaging Features	
Digital Temperature Sensor Package	QFN16

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: JAN 2022 (223) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Not Yet Reviewed
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



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Also in the Series | MEAS TSYS









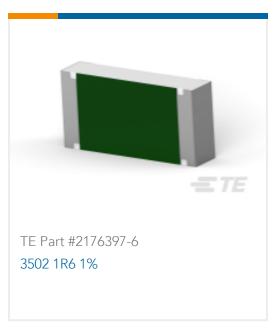
Customers Also Bought



















Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_G-NICO-018_1.2d_dxf.zip

English

Customer View Model



ENG_CVM_CVM_G-NICO-018_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_G-NICO-018_1.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

TSYS01

English