



Sensors > Humidity Sensors > Humidity Sensor Assemblies > Humidity Temperature Transducer



Humidity Sensor Product Type: **RHT Module**

Supply Voltage (Peak): **12 VDC**

Operating Temperature Range: **-40 – 85 °C**

Accuracy: **±3 %RH**

Nominal Output @55%RH (at 5 VDC): **2.48 V**

[All Humidity Temperature Transducer \(1\)](#)

Features

Product Type Features

Humidity Sensor Product Type	RHT Module
Interface Signal Type	Analog

Electrical Characteristics

Supply Voltage (Peak)	12 VDC
Nominal Output @55%RH (at 5 VDC)	2.48 V
Current Consumption	1 mA
Output Impedance	70 Ω

Usage Conditions

Humidity Operating Range	0 – 100 %RH
Operating Temperature Range	-40 – 85 °C
Accuracy	±3 %RH
Temperature Coefficient	.1 %RH/°C
Sensitivity	26 mV/%RH

Other

Response Time	10 seconds
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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	<p>Current ECHA Candidate List: JUNE 2024 (241)</p> <p>Candidate List Declared Against: JUNE 2022 (224)</p> <p>SVHC > Threshold:</p> <p>4,4'-isopropylidenediphenol (Bisphenol A) (1% in component)</p> <p>Dodecamethylcyclohexasiloxane (D6) (.5% in component)</p> <p>Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) (.5% in component)</p> <p>Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p>
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

 <p>TE Part # HPP809A033 HTM2500LF HIGH TEMP RH/T MOD</p>	 <p>TE Part # HPP805A031 HM1500LF HUMIDITY MODULE</p>	 <p>TE Part # HPP801A031 HS1101LF HUMIDITY SENSOR</p>
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Also in the Series | [MEAS HTM2500LF](#)



Humidity Sensor Assemblies(1)

Customers Also Bought



TE Part #2176230-7
3522 2R7 5% 3W



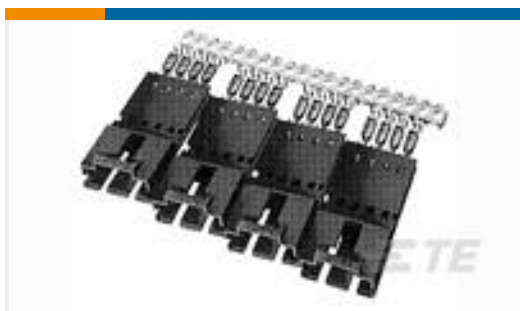
TE Part #1623446-1
CRG1206 1% 1K5



TE Part #2-36153-4
TERMINAL,PIDG R IR 20 10



TE Part #710031-8
XCT 10-10



TE Part #5-103946-3
4X4 MTE SHRD PIN SR POL .100CL



TE Part #5-103958-3
5X4 MTE RCPT SR LATCH .100CL



TE Part #7-2176238-0
CPF A 0805 1M0 0.1% 25PPM 5K RL



TE Part #BAT-HLD-003-SMT-TR
Holder 2016 2020 2025 2032 SMT T&R Pack

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_HPP809A031_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HPP809A031_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HPP809A031_D.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

HTM2500LF-HUMIDITY

English

