



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



Operating Temperature Range: -40 – 85 °C [-40 – 185 °F]

Humidity Sensor Product Type: RHT Module

Supply Voltage (Peak): 12 VDC

Accuracy: ±3 %RH

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

[All Humidity Temperature Transducer \(0\)](#)

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[-40 – 185 °F]
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>

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 2025 (247) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: 4,4'-isopropylidenediphenol (Bisphenol A) (1% in component) Dodecamethylcyclotetrasiloxane (D6) (.5% in component) Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) (.5% in component) 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.
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>

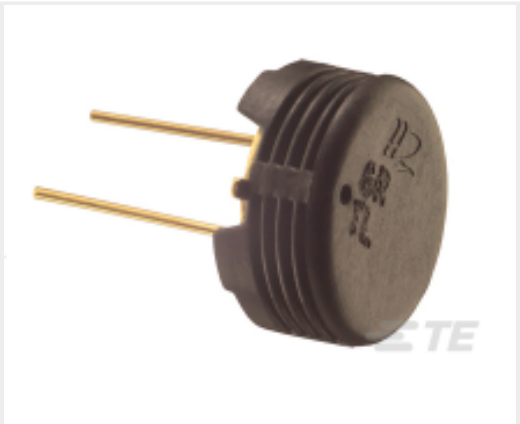
Compatible Parts



TE Part # HPP805A031
HM1500LF HUMIDITY MODULE



TE Part # HPP809A033
HTM2500LFL HIGH TEMP RH/T MOD



TE Part # HPP801A031
HS1101LF HUMIDITY SENSOR

Also in the Series



Customers Also Bought



TE Part #413985-1
PLUG ASSY,STR,SMB



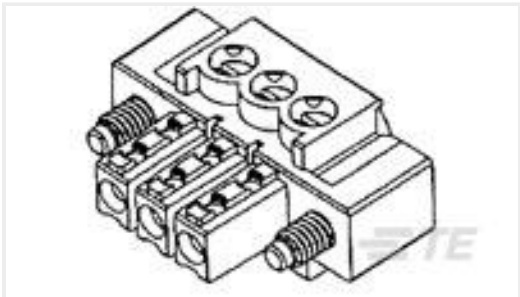
TE Part #710031-8
XCT 10-10



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



TE Part #1623446-1
CRG1206 1% 1K5



TE Part #284511-4
4 POS TERMI-BLOK PLUG C. VITI



TE Part #1-2834015-4
4POS 2.54MM TES CONN.



TE Part #1622883-1
CRG0603 1% 220K



TE Part #T4073014031-001
M8.FMLE.PNLFRONT.3POS.STR WIRE



TE Part #644752-6
06P MTA156 HDR ASSY SQ STR F/L



TE Part #4-643814-2
12P MTA100 CONN ASSY POL RIB

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