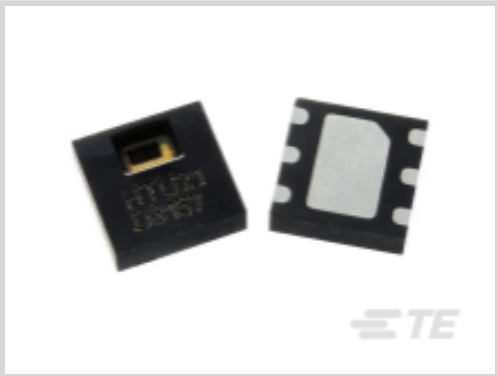




Sensors > Humidity Sensors > Humidity Sensor Components > HTU21D Digital High Accuracy RH/T Sensor



Humidity Sensor Product Type: RHT

Supply Voltage (Peak): 3.8 V

Current Consumption: .014 mA

Operating Temperature Range: -40 – 125 °C [-40 – 257 °F]

Interface Signal Type: Digital

[All HTU21D Digital High Accuracy RH/T Sensor \(4\)](#)

Features

Product Type Features

Humidity Sensor Product Type	RHT
Interface Signal Type	Digital

Electrical Characteristics

Supply Voltage (Peak)	3.8 V
Current Consumption	.014 mA

Usage Conditions

Humidity Operating Range	0 – 100 %RH
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

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 2024 (241) Candidate List Declared Against: JUNE 2023 (235)



Does not contain REACH SVHC

Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
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 # CAT-HSC0004
HTU21D Digital High Accuracy RH/T Sensor

TE Part # HPP845E132R4
I.C 21PF RH/T PWM B400

Also in the Series | MEAS HTU

Humidity Sensor Assemblies(4)

Humidity Sensor Components(18)

Sensor Development Boards and Evaluation Kits(3)

Customers Also Bought



TE Part #1676334-2
RN 0805 402R 0.1% 10PPM 1KRL

TE Part #9-1879215-1
CPF 0402 40K2 0.1% 25PPM 1K RL

TE Part #2008563-1
Connector, 1 Pos SMT Poke-In

TE Part #2176186-1
CRGH1206 1% 120R 0.5W

TE Part #2-2176308-2
RP 1E 0.1W 221K 0.1% 25PPM 5K RL

TE Part #284257-E
MICROS STV 14 407 188 * 0007 J 3 284257

TE Part #474341-E
IDCTERM 1 I2426 1,10 KA 094 707 0007 J

TE Part #474342-E
IDCTERM 1 I2426 1,10 KA 168 707 0007 J

TE Part #9541-040C-S-C-3-T
PRESSURE I2C 0.6 PSIG SO16

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HPP845E131R4_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HPP845E131R4_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HPP845E131R4_C.3d_stp.zip

English

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

Datasheets & Catalog Pages

HTU21D

English

HTU21A(F) data sheet

English

