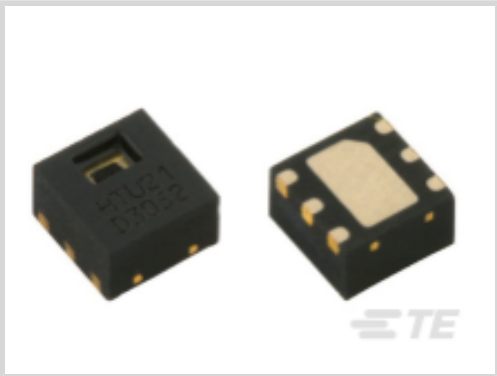




Sensors > Humidity Sensors > HTU21D Digital High Accuracy RH/T Sensor



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

Humidity Sensor Product Type: RH Temperature Module

Supply Voltage (Peak): 3.8 VDC

Current Consumption: .014 mA

Interface Signal Type: Digital

[All HTU21D Digital High Accuracy RH/T Sensor \(6\)](#)

Features

Product Type Features

Humidity Sensor Product Type	RH Temperature Module
Interface Signal Type	Digital

Electrical Characteristics

Supply Voltage (Peak)	3.8 VDC
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	Out of Scope
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 2025 (250) Candidate List Declared Against: JUNE 2025 (250)

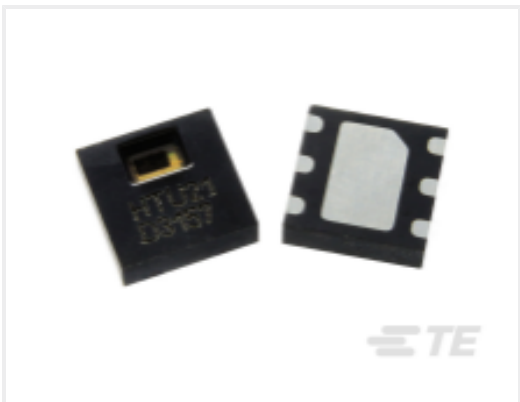


	Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

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>

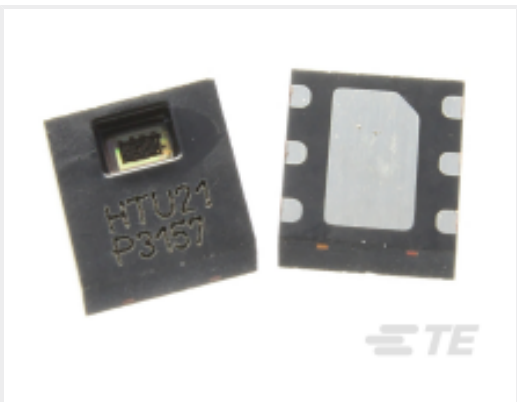
Compatible Parts



TE Part # HPP845E031
HTU21D RH/T SENSOR



TE Part # HPP845E134R4
HTU20DF RH/T SENSOR IC B400

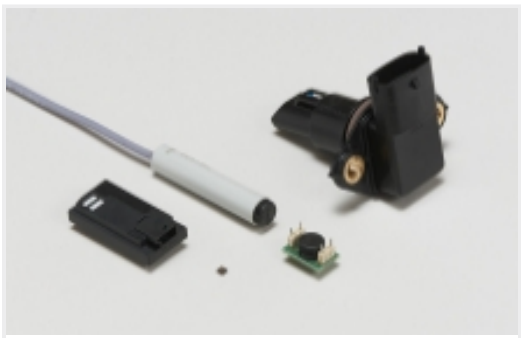


TE Part # CAT-HSC0005
HTU21P Analog High Accuracy RH/T Sensor

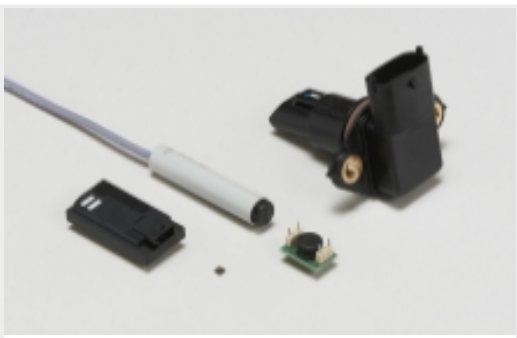
Also in the Series | MEAS HTU



Automotive Humidity Sensors(2)



Humidity Sensors(30)



Relative Humidity (RH) Sensors(30)



Sensor Development Boards and Evaluation Kits(3)

Customers Also Bought



TE Part #5-146277-3
03 MODII HDR SRST B/A .100CL



TE Part #5-146277-4
04 MODII HDR SRST B/A .100CL



TE Part #1658689-1
KIT,HDP-22,ENCLSUR,RCPT,SIZE 2



TE Part #3-1825059-8
ADF08SA04=DIP SWT,FLUSH,SMT-JL



TE Part #1879337-7
CPF 0603 2K87 1% 50PPM 1K RL



TE Part #2176185-8
CRGH0805 1% 1K8 0.33W



TE Part #2176306-9
RP 1E 0.1W 1K4 0.1% 25PPM 5K RL



TE Part #1-2327906-4
KEYED GUIDE PIN , MACHINED,
MULTIGIG BP



TE Part #3-6609107-5
PS0SXSSX0=C1081



TE Part #7-2176306-5
RP 1E 0.1W 6K81 0.1% 25PPM 5K RL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HPP845E031R4_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HPP845E031R4_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HPP845E031R4_B.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