EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

HPP845E031R4 ✔ ACTIVE

MEAS | MEAS HTU

TE Internal #: HPP845E031R4

TE Internal Description: I.C 21D RH/T B400

HTU21D Digital High Accuracy RH/T Sensor

View on TE.com >

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



Humidity Sensor Component Product Type: **RHT**

Supply Voltage (Peak): **3.8 V**

Current Consumption: **.014 mA**

Humidity Operating Range: **0 – 100 %RH**

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

All HTU21D Digital High Accuracy RH/T Sensor (5)

Features

Product Type Features

Humidity Sensor Component Product Type	RHT
Humidity Sensor Component Sensor 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235)

	Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 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-HSC0005
HTU21P Analog High Accuracy RH/T Sensor



TE Part # HPP845E134R4
HTU20DF RH/T SENSOR IC B400

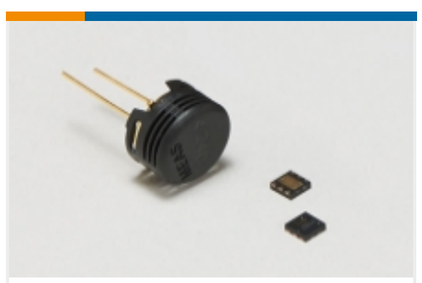


TE Part # HPP845E031
HTU21D RH/T SENSOR

Also in the Series | MEAS HTU



Humidity Sensor Assemblies(4)



Humidity Sensor Components(22)



Sensor Development Boards and Evaluation Kits(3)

Customers Also Bought



TE Part #3-644042-4
Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



TE Part #2315539-1
COVER, LIGHT CONTROLLER, 81MM DIA., 62MM



TE Part #8-338728-4
MICROM. MOB SMD CON



TE Part #1-2834237-1
3P REC, IP67 VERTICAL T/H CONN, NATURE



TE Part #9-1879336-2
CPF 0603 2K05 1% 50PPM 1K RL



TE Part #223969-1
UNV PWR MDL, GUIDE PIN LOCT PL

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

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Datasheets & Catalog Pages

HTU21D

English