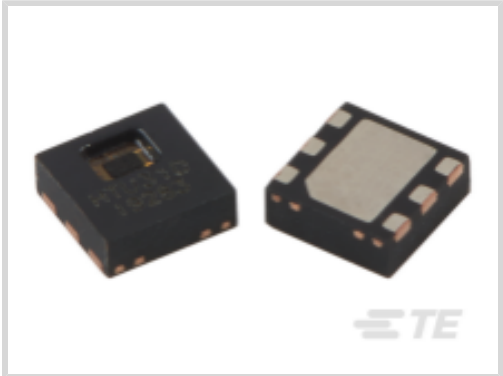




Sensors > Humidity Sensors > Humidity Sensor Components > HTU31 High Accuracy RH/T Sensor



Humidity Sensor Component Product Type: **RHT**

Supply Voltage (Peak): **6 V**

Current Consumption: **.76 mA**

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

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

[All HTU31 High Accuracy RH/T Sensor \(10\)](#)

Features

Product Type Features

Humidity Sensor Component Product Type	RHT
Humidity Sensor Component Sensor Type	Digital

Electrical Characteristics

Supply Voltage (Peak)	6 V
Current Consumption	.76 mA

Usage Conditions

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

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209) Not Yet Reviewed



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 # CAT-HSC0007
HTU31 High Accuracy RH/T Sensor

Also in the Series | MEAS HTU

Digital Component Sensors(2)

Humidity Sensor Assemblies(4)

Humidity Sensor Components(24)

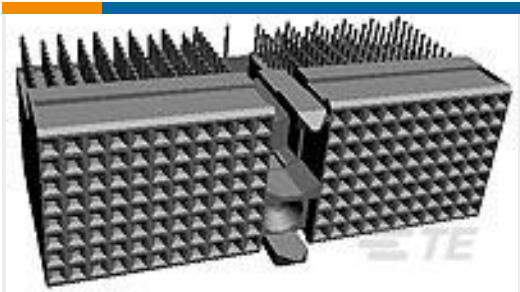
Customers Also Bought

TE Part #5-1879134-7
RN 0603 38K3 0.1% 10PPM 1K RL

TE Part #4-1879133-6
RN 0603 2K61 0.1% 10PPM 1K RL

TE Part #5-1761465-2
pci expres ra assy 5.8mm thru hole 3.56 mm

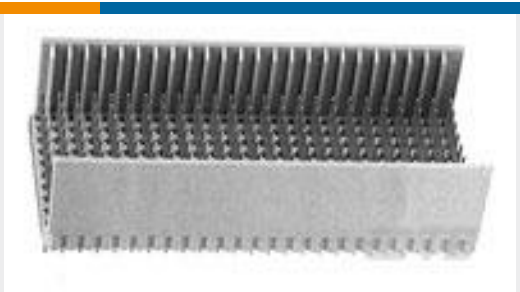
TE Part #9789716001
RNF-3000-R-24/8-0



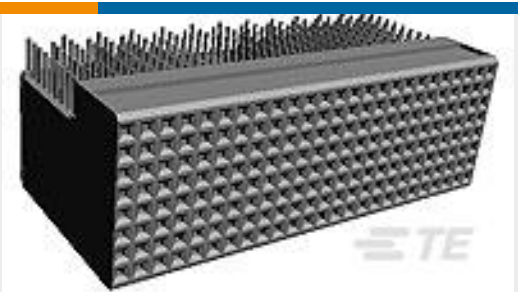
TE Part #646442-1
2MM HM,ASY,T-D,REC,TWIST TULIP



TE Part #1241150-7
7P MOD II BREAK AWAY HDR , SMD, BLISTER



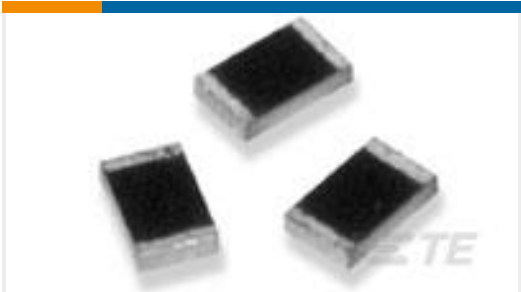
TE Part #646347-1
2MM HM,ASY,T-E,HDR,08R,200,AP



TE Part #646445-1
2MM HM,ASY,T-E,REC,TWIST TULIP



TE Part #4-1825010-6
ASE62RL04=6PDT AUTOSLIDE



TE Part #7-1879744-3
RP 1J 287R 0.1% 15PPM CUT LENGTH

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_10142048-01_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_10142048-01_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_10142048-01_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

HTU31D RHT SENSOR IC DIGITAL

English