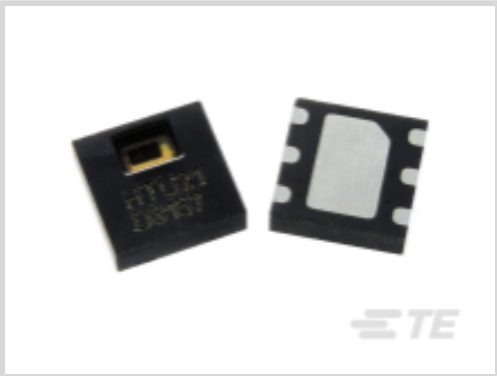




Sensors > Humidity Sensors > Humidity Sensor Components > HTU21D Digital High Accuracy RH/T Sensor



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

Humidity Sensor Product Type: RHT

Supply Voltage (Peak): 3.8 V

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	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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241)

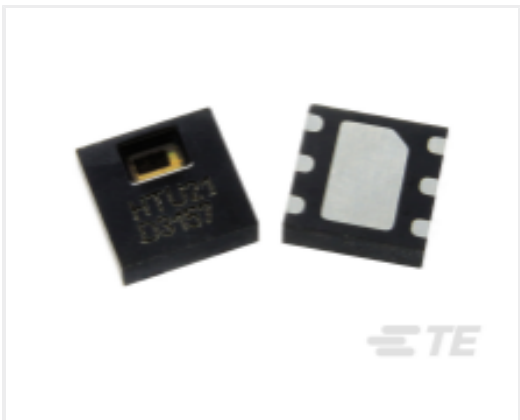


	Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

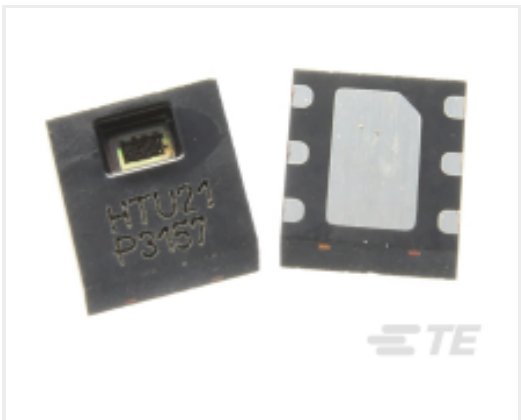
Product Compliance Disclaimer

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

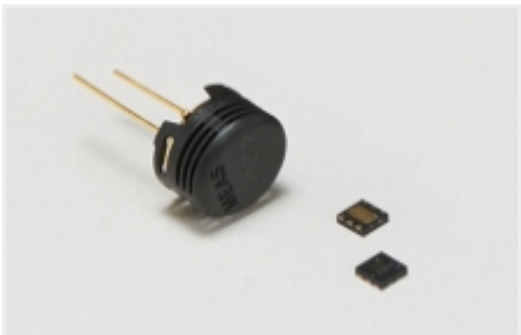


TE Part # HPP845E132R4
I.C 21PF RH/T PWM B400

Also in the Series | MEAS HTU



Humidity Sensor Assemblies(4)



Humidity Sensor Components(20)



Sensor Development Boards and Evaluation Kits(3)

Customers Also Bought



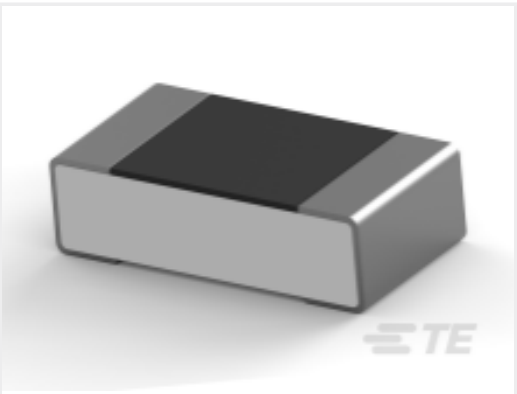
TE Part #1-1879133-5
RN 0603 1K15 0.1% 10PPM 1K RL



TE Part #2007215-1
SFP+ 1x1 Cage Assy, PCI, Press



TE Part #487576-4
12 ZIF LINE 50 ASSY



TE Part #8-2176367-2
RQ 0603 32K4 0.1% 10PPM 1K RL



TE Part #2007492-8
SFP+assy2x1 Spring Fingers No Lp Sn



TE Part #001-0012
ANTENNA,2,4/5.5 GHz Dipole,IP67



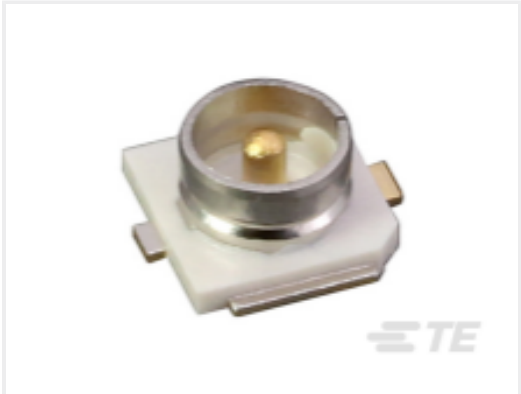
TE Part #5145154-4
STANDARD EDGE .050 SERIES 60
DUAL ASSY



TE Part #ANT-868-JJB-ST
Antenna Mini Straight 868MHz THM



TE Part #3-2176612-2
EP 3W (SS) 20R 5%



TE Part #CONMHF1-SMD-T
U.FL/MHF1 Jack 50 Ohm PCB Surface
Mount

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

