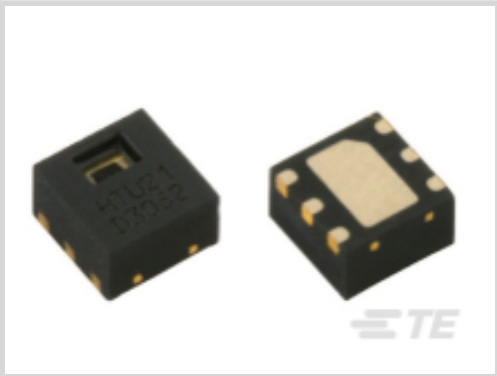




Sensors > Humidity Sensors > HTU21D Digital High Accuracy RH/T Sensor



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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250)



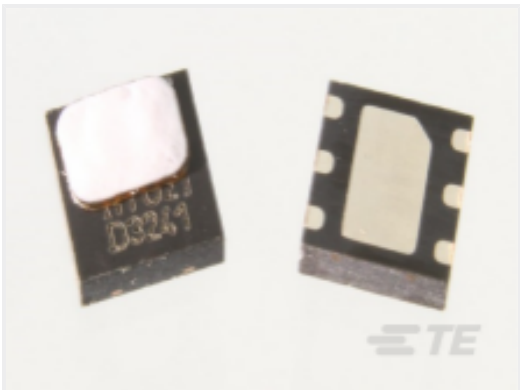
Candidate List Declared Against: JUNE 2025 (250)
Does not contain REACH SVHC

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

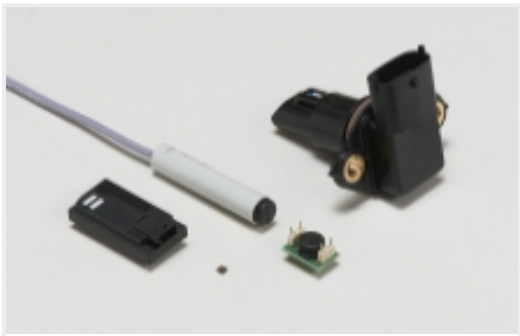
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # HPP845E131R5
HTU21DF RH/T SENSOR IC B5000

Also in the Series | MEAS LM



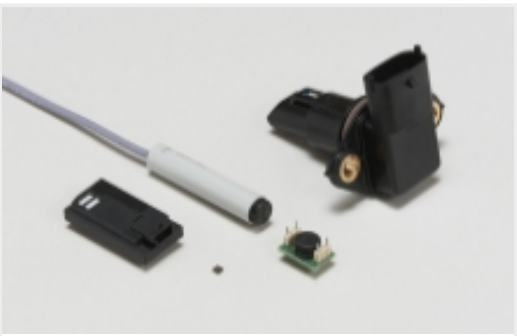
Humidity Sensors(1)



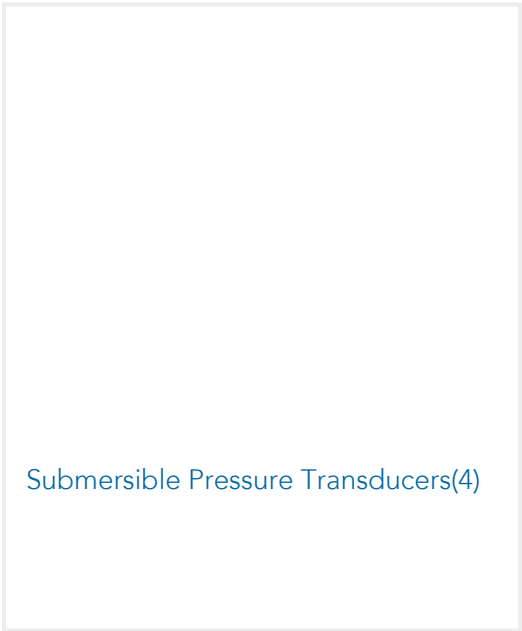
Industrial Pressure Transducers(4)



Pressure Transducers(4)

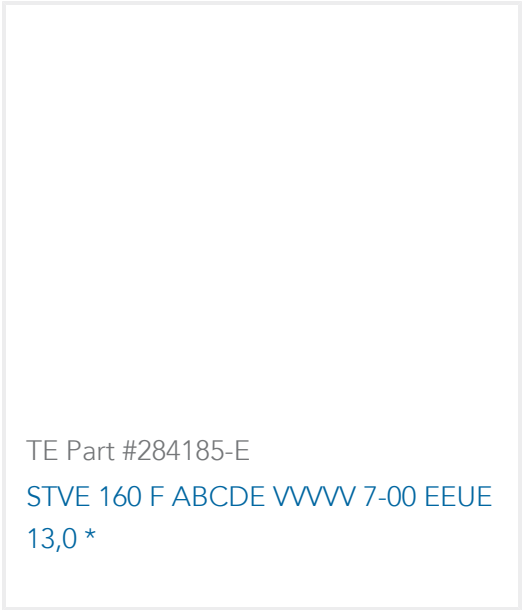


Relative Humidity (RH) Sensors(1)



Submersible Pressure Transducers(4)

Customers Also Bought



TE Part #284185-E
STVE 160 F ABCDE VVVV 7-00 EEUE 13,0 *



TE Part #284959-E
STVE 160 F ABCDE VVVV 7-00 TL 4,0 * 137



TE Part #284135-E
STVC 96 F ABC VV 7-00 EEUE 13,0 * 131 E



TE Part #103638-3
04 MTE HDR SRST LATCH .100CL



TE Part #5-103639-1
02 MTE HDR SRST LATCH .100CL



TE Part #6-146130-1
24 MODII HDR DRST SFMNT B/A LF



TE Part #7-1879352-2
RR02 5% 300R AMMO



TE Part #2-2176050-9
RLP73K 1E R75 5% 5K RL



TE Part #3-2176089-2
RP 1J 0.166W 23K7 0.1% 25PPM 1K RL



TE Part #5787745-5
USB A R/A STAK ASSY THRU HOLE

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HPP845E031R5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HPP845E031R5_B.3d_igs.zip



English

Customer View Model

[ENG_CVM_CVM_HPP845E031R5_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