



Sensors > Humidity Sensors > Humidity Sensor Assemblies > Digital RH Temperature Pressure Sensor



Humidity Sensor Assembly Product Type: **RHTP**  
Supply Voltage (Peak): **32 VDC**  
Operating Temperature Range: **-40 – 105 °C [ -40 – 221 °F ]**  
Humidity Measuring Range: **0 – 100 %RH**  
Humidity Sensor Assembly Accuracy: **±3 %RH**

[All Digital RH Temperature Pressure Sensor \(5\)](#)

Features

Product Type Features

Humidity Sensor Assembly Product Type	RHTP
Humidity Sensor Assembly Sensor Type	Digital

Electrical Characteristics

Supply Voltage (Peak)	32 VDC
Current Consumption	25 mA

Signal Characteristics

Transmit Rate	100 msec
Baud Rate	250 Kb/s

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Humidity Measuring Range	0 – 100 %RH
Humidity Sensor Assembly Accuracy	±3 %RH

Operation/Application

Pressure (Max)	130 kPa
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Other

Response Time	5 seconds
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Pb (85% in Solder) <b>Article Safe Usage Statements:</b> Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 # FPP800A110  
FPS2800B12C4 STD



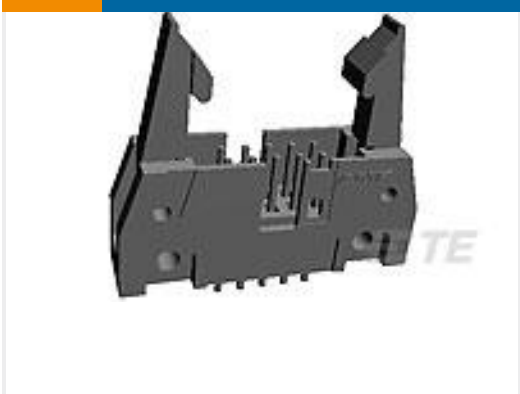
TE Part # CAT-HSA0004  
Digital RH Temperature Pressure Sensor

Also in the Series | MEAS HTD



Humidity Sensor Assemblies(3)

Customers Also Bought



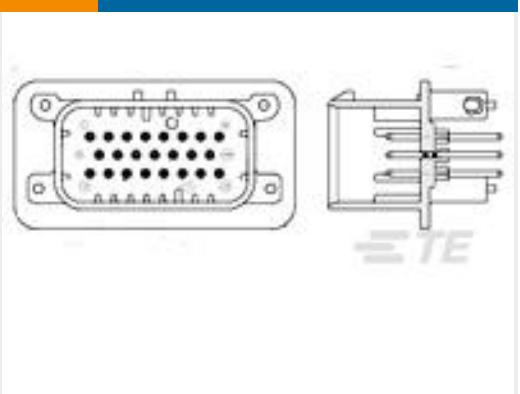
TE Part #1-5499206-2  
A/L UNIV HDR 64P VERT LG LAT



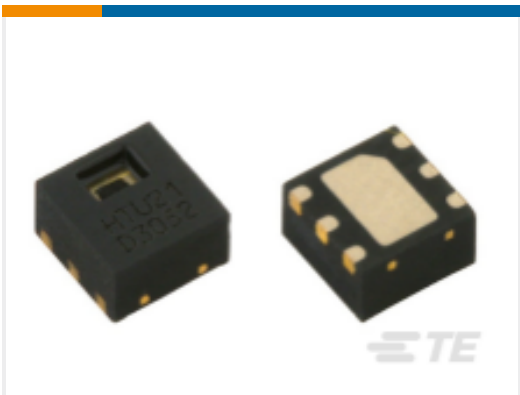
TE Part #HD34-24-33SN-059  
REC,33P,AL,N, CBL CLMP BT, DRAIN, 20,S,MC



TE Part #DTM04-2P-E007  
REC, 2P, GRY, N, XCAP



TE Part #1-776228-5  
23POS,PIN DIA 1.3,HDR ASSY, 180DEG,COD 5



TE Part #HPP845E031R5  
I.C 21D RH/T B5000



TE Part #102308-000  
2020D0309-0



TE Part #2071507-1  
OJT-SS-112HM,00000



TE Part #254588-E  
SMCQ 20 M AB VV 8-13 CL \* H007 137 E005



TE Part #254589-E  
SMCQ 32 M AB VV 8-13 CL \* H007 137 E005



TE Part #DT04-12PA-KIT  
DT04-12PA AND WEG ONLY

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_HPP816E056\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_HPP816E056\_A.3d\_igs.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_HPP816E056\\_A.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[Data sheet TRICAN HTD2800Px11C6V2](#)

English