

HPP816E031 ✓ ACTIVE

MEAS | MEAS HTD

TE Internal #: HPP816E031

TE Internal Description: TRICAN 12V HTD2800P1B11C6STD

Digital RH Temperature Pressure Sensor

[View on TE.com >](#)



Sensors > Humidity Sensors > Digital RH Temperature Pressure Sensor



Operating Temperature Range: -40 – 105 °C [-40 – 221 °F]

Humidity Sensor Product Type: Automotive, RH Temperature Pressure Module

Supply Voltage (Peak): 32 VDC

Accuracy: ±3 %RH

Interface Signal Type: Digital

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

Features

Product Type Features

Humidity Sensor Product Type	Automotive, RH Temperature Pressure Module
------------------------------	--

Interface Signal Type	Digital
-----------------------	---------

Electrical Characteristics

Supply Voltage (Peak)	32 VDC
-----------------------	--------

Current Consumption	25 mA
---------------------	-------

Signal Characteristics

Baud Rate	250 Kb/s
-----------	----------

Transmit Rate	100 msec
---------------	----------

Usage Conditions

Humidity Operating Range	0 – 100 %RH
--------------------------	-------------

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
-----------------------------	----------------------------

Accuracy	±3 %RH
----------	--------

Operation/Application

Pressure (Max)	130 kPa
----------------	---------

Other



Response Time	5 seconds
---------------	-----------

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (2.2% in Component Part) Article Safe Usage Statements: 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

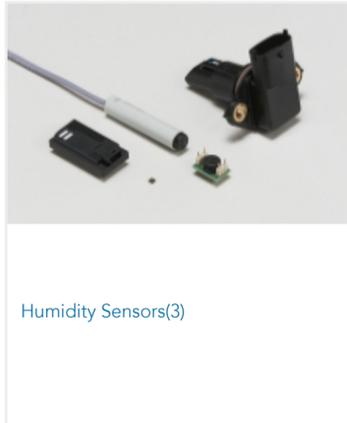
Compatible Parts



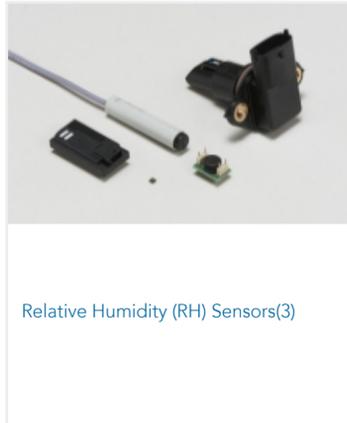
Also in the Series | MEAS HTD



Automotive Humidity Sensors(3)



Humidity Sensors(3)



Relative Humidity (RH) Sensors(3)

Customers Also Bought



TE Part #234487-E
SRCA 1,27 12 F 1 I2426 137 E1 094 1,07 T



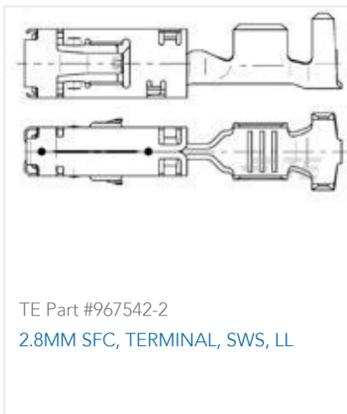
TE Part #CAT-D487-M8649
DEUTSCH DT Mounting Clips



TE Part #10142032-01
TRICAN 5V HTD2800P1B11C6 STD



TE Part #776487-4
AS16,PLUG ASSY,ST,04P,N SEAL, CODE D



TE Part #967542-2
2.8MM SFC, TERMINAL, SWS, LL



TE Part #1416010-1
V23132A2001B200-EV-CBOX



TE Part #1996771-1
SMPM STR CBL JACK



TE Part #2050052-1
4POS 2.8MM SENSOR PLUG ASSY.



TE Part #1-2834461-2
MINI DYNAMIC REC HSG ASSY 12P X-KEY BLK

Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_HPP816E031_C.2d_dxf.zip](#)

[English](#)

[Customer View Model](#)



[ENG_CVM_CVM_HPP816E031_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HPP816E031_C.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Data sheet TRICAN HTD2800Px11C6V2](#)

English