



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



Humidity Sensor Product Type: RHTP

Supply Voltage (Peak): 5.5 VDC

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

Accuracy: ±3 %RH

Current Consumption: 25 mA

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

## Features

### Product Type Features

Humidity Sensor Product Type	RHTP
Interface Signal Type	Digital

### Electrical Characteristics

Supply Voltage (Peak)	5.5 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
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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: JAN 2024 (240) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
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

 <p>TE Part # CAT-HSA0004 Digital RH Temperature Pressure Sensor</p>	 <p>TE Part # 10142020-00 HTU31D I.C 31D RH/T DIGITAL</p>	 <p>TE Part # FPP800A110 FPS2800B12C4 STD</p>
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Also in the Series | [MEAS HTD](#)



Humidity Sensor Assemblies(3)

## Customers Also Bought



TE Part # DTM06-12SB  
PLG, 12P, BLK, N, B



TE Part # 1801600-1  
RECEPTACLE HOUSING, MCON, 10 W, SEALED



TE Part # YHVA630-2PHM-6MM-A  
HVA630-2phm,6sqmm,Key A



TE Part # 7-1452671-1  
MCON 1.2 LL REC SWS SN



TE Part # HPP816E031  
TRICAN 12V HTD2800P1B11C6STD



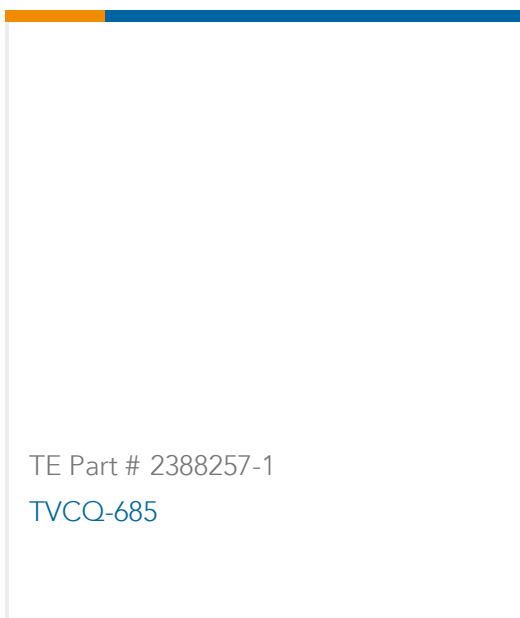
TE Part # 1801600-2  
RECEPTACLE HOUSING, MCON, 10 W, SEALED



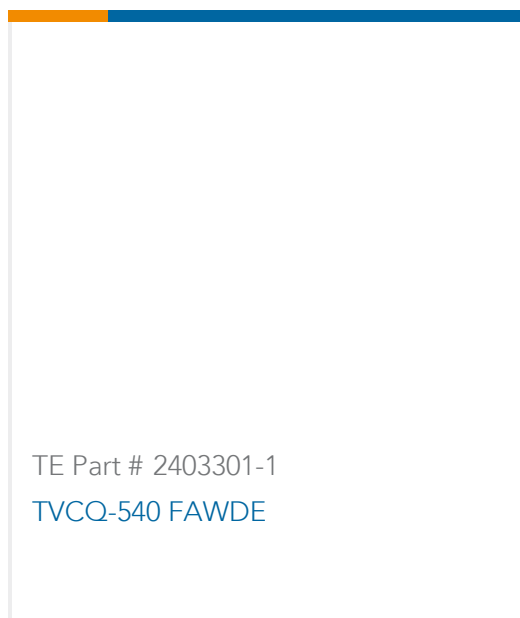
TE Part # 2050780-2  
COVER FOR 4P SENSOR CONNECTOR



TE Part # 1813944-1  
HIGH TEMP CABLE TIE



TE Part # 2388257-1  
TVCQ-685



TE Part # 2403301-1  
TVCQ-540 FAWDE

## Documents

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_10142032-01\\_C1.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_10142032-01\\_C1.3d\\_igs.zip](#)



English

Customer View Model

[ENG\\_CVM\\_CVM\\_10142032-01\\_C1.3d\\_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