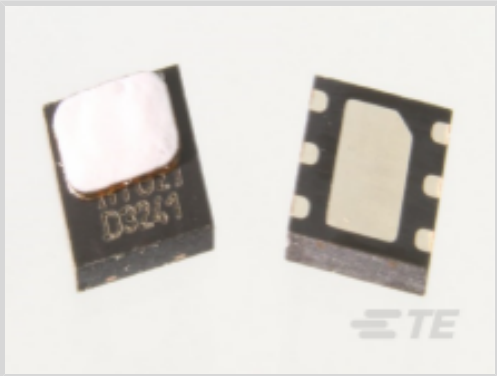




Sensors > Humidity Sensors > Humidity Sensor Components > HTU21D Digital High Accuracy RH/T Sensor



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	Out of Scope
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

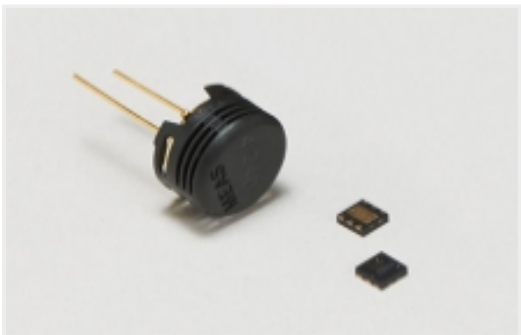


TE Part # HPP845E132R4
I.C 21PF RH/T PWM B400


Also in the Series | MEAS HTU



Humidity Sensor Assemblies(4)



Humidity Sensor Components(20)

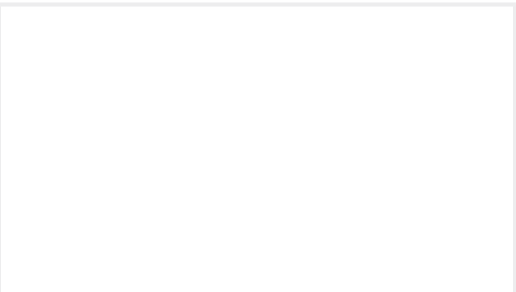


Sensor Development Boards and Evaluation Kits(3)

Customers Also Bought



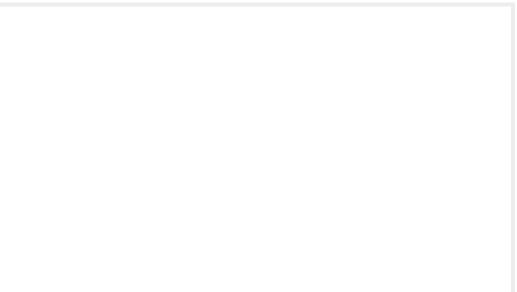
TE Part #87230-5
10 MODII HDR DRRRA UNSHRD .100



TE Part #1SNA166573R2400
FIM10-R



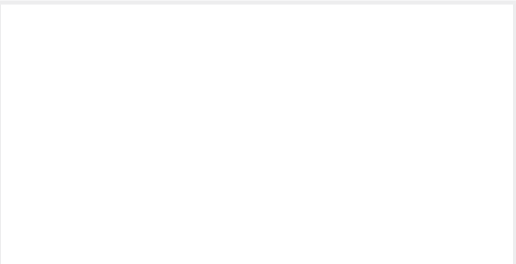
TE Part #4-1879352-5
RR02 5% 22R AMMO



TE Part #1SNA166529R2000
FIC-2/4-R



TE Part #2-1445094-4
MICRO MNL HDR ASSY S/ROW AU LF



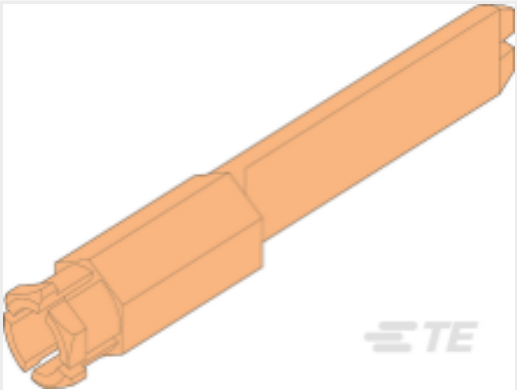
TE Part #1SNA166566R2500
M10-R-C5A



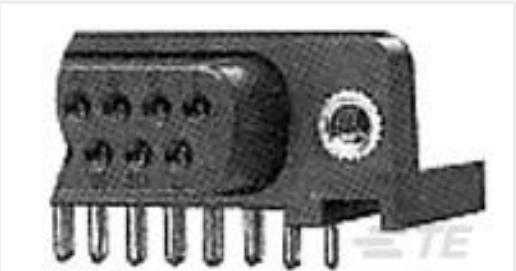
TE Part #1-967658-1
8pos MQS .63 header 90deg



TE Part #234480-E
SRCP 1,27 12 F 1 I2426 137 E1 162 1,07 T



TE Part #1SNA167378R1100
COP-FI-1



TE Part #5788800-1
25 HTMSFL ASSY RA 318 (IN,BL)

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HPP845E131R5_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HPP845E131R5_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HPP845E131R5_D.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