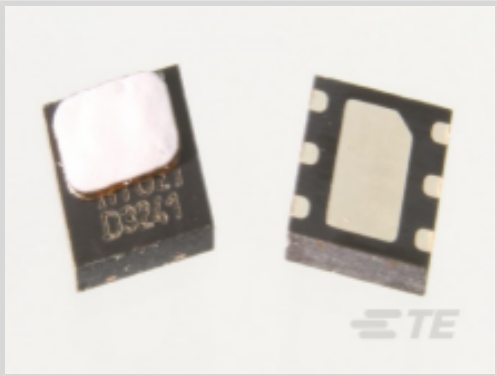




Sensors > Humidity Sensors > Humidity Sensor Components > HTU21D Digital High Accuracy RH/T Sensor



Humidity Sensor Component Product Type: RHT

Supply Voltage (Peak): 3.8 V

Current Consumption: .014 mA

Humidity Operating Range: 0 – 100 %RH

Operating Temperature Range: -40 – 125 °C, -40 – 125 °C [-40 – 257 °F, -40 – 257 °F]

[All HTU21D Digital High Accuracy RH/T Sensor \(5\)](#)

Features

Product Type Features

Humidity Sensor Component Product Type	RHT
Humidity Sensor Component Sensor 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 – 125 °C[-40 – 257 °F][-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	Compliant
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 2021 (211)



Candidate List Declared Against: JAN 2021
(211)

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

Digital Component Sensors(2)

Humidity Sensor Assemblies(4)

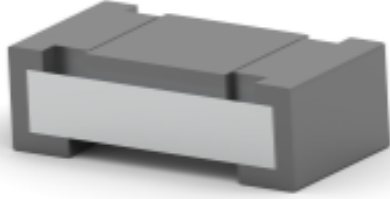
Humidity Sensor Components(26)

Customers Also Bought



TE Part #1623730-2

Wirewound Resistor: Vertical Mount



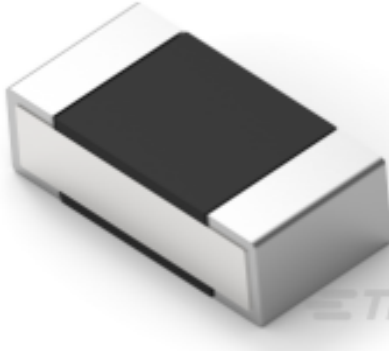
TE Part #1-2176057-8

Thick Film Resistor: Current Sense



TE Part #1757838-2

AMPLIMITE, R/A RCPT ASY, 109, ZN, 2



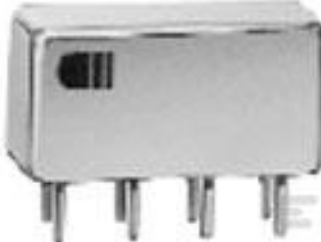
TE Part #1-2176308-5

RP 1E 0.1W 187K 0.1% 25PPM 5K RL



TE Part #1-2176372-9

RQ 0603 76K8 0.1% 10PPM 5K RL



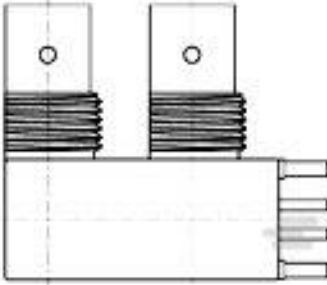
TE Part #2-1617037-3

HFW5A1230L00 = HFW5A RELAY



TE Part #104068-3

30 SYSTEM 50 HDR DRST SHRD



TE Part #1274684-1

JACK, 2 POSITION, STACKED, R/A, PCB, MIN



TE Part #1551629-2

MICRO USB, TYPE A/B, SPLASHPROOF

TE Part #YDJT14F15-35SNV001

RECP ASSY

Documents

Datasheets & Catalog Pages

HTU21D

English