



MEAS | MEAS HTU

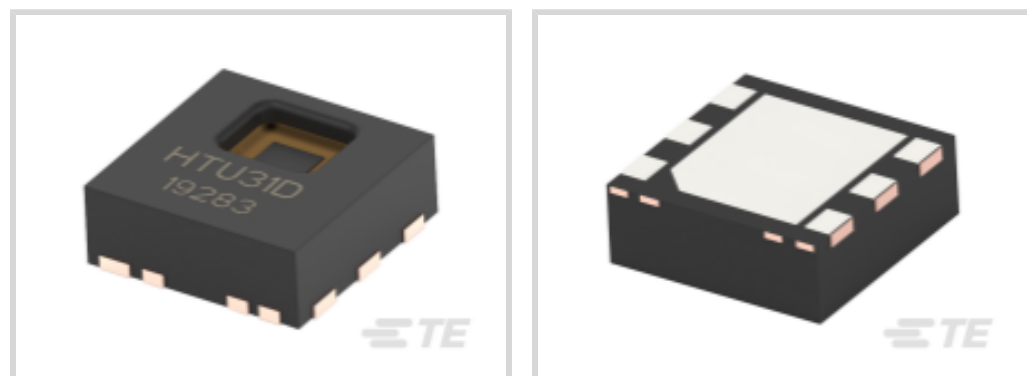
TE Internal #: 10142048-02

TE Internal Description: HTU31D I.C 31D RH/T DIGITAL R5000

HTU31 Humidity and Temperature Combination Sensor

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Sensors > Humidity Sensors > Humidity Sensor Components > HTU31 Humidity and Temperature Combination Sensor



Humidity Sensor Component Product Type: RHT

Supply Voltage (Peak): 6 V

Current Consumption: .76 mA

Humidity Operating Range: 0 – 100 %RH

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

[All HTU31 Humidity and Temperature Combination Sensor \(7\)](#)

Features

Product Type Features

Humidity Sensor Component Product Type	RHT
Humidity Sensor Component Sensor Type	Digital

Electrical Characteristics

Supply Voltage (Peak)	6 V
Current Consumption	.76 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	Not Yet Reviewed
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: JUL 2021 (219) Not Yet Reviewed

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 # CAT-HSC0007
HTU31 Humidity and Temperature Combination Sensor

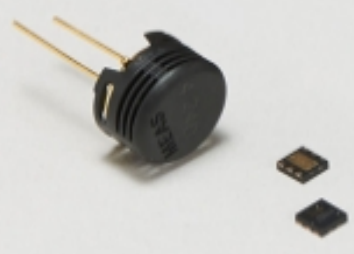
Also in the Series | MEAS HTU



Digital Component Sensors(2)



Humidity Sensor Assemblies(4)



Humidity Sensor Components(23)

Customers Also Bought




TE Part #640453-2
02P MTA100 HDR ASSY SQ R/A



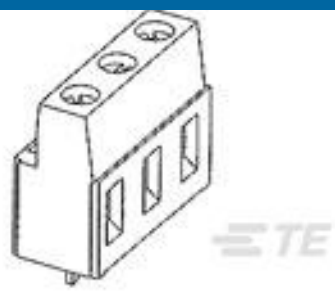
TE Part #640388-2
02P MTA156 HDR ASSY RN STR F/L



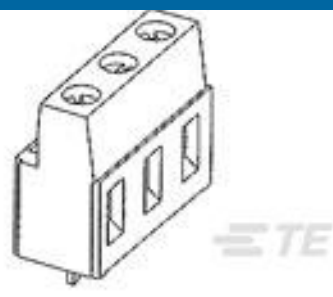
TE Part #1-1318300-2
3.96 EP HDR ASSY 2P NAT/TUBE



TE Part #1546551-2
2P, STRAIGHT, SIDE ENTRY, 3.5MM



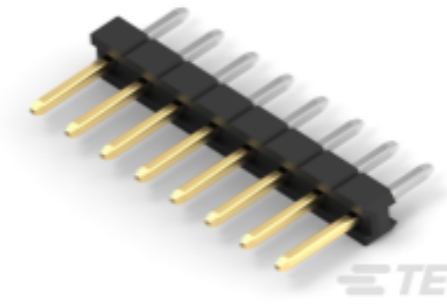
TE Part #282861-2
TERMI-BLOK PCB MOUNT 90 2P.7



TE Part #282861-3
TERMI-BLOK PCB MOUNT 90 3P.7



TE Part #4-2176325-8
CRGP 0402 82K 1%



TE Part #2355104-8
8P, 2MM, BRK HDR, SRVT, 2.8, 0.1AU, TB
W/CAP

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_10142048-02_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_10142048-02_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_10142048-02_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[HTU31 RHT SENSOR IC Data sheet](#)

English

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[CC2D33-SIP](#) [CC2D23S-SIP](#) [CC2D23-SIP](#) [1-100711-01](#) [251-10509](#) [HDC1050DMBR](#) [HIH6131-021-001](#) [HIH-4000-004](#) [HIH-4000-003](#)
[HIH-4000-002](#) [HIH7120-021-001](#) [HIH6130-021-001](#) [1-101625-01](#) [HIH6021-021-001](#) [SHT35-DIS-B](#) [HDC2010YPAR](#) [SHT31-DIS-F2.5kS](#)
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