

HUM-900-PRO-CAS

✓ ACTIVE

TE Internal #: HUM-900-PRO-CAS
RF Module, UART Interconnect, 9.6 – 115.2 Kb/s Data Rate, 902 – 928 MHz, 3.6 VDC, Packetized, Transceiver, AES Security, 50 Channel
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Connectors > RF Connectors > RF Modules > Radio Modules



Radio Module Product Type: **RF Module**
Interconnection Type: **UART**
Interface Data Rate: **9.6 – 115.2 Kb/s**
Operating Frequency Range: **902 – 928 MHz**
Operating Voltage: **3.6 VDC**

Features

Product Type Features

Radio Module Product Type	RF Module
Radio Type	Transceiver

Electrical Characteristics

Operating Voltage	3.6 VDC
TX Current	40.5 mA
RX Current	23.5 mA
Power Down Current (Max)	.5 µA

Signal Characteristics

Interface Data Rate	9.6 – 115.2 Kb/s
Operating Frequency Range	902 – 928 MHz
Number of Channels	50
RF Data Rate	19.2 – 153.6 Kb/s

Body Features

Interconnection Type	UART
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Dimensions

Product Width	20.65 mm[.813 in]
Product Length	11.43 mm[.45 in]



Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
Line of Sight Distance	1300 m[4300 ft]

Operation/Application

Wireless Data Type	Packetized
Modulation	2FSK
RX Sensitivity	-94 dBm
TX Power	9.5 dBm

Industry Standards

Module Security	AES
Module Protocol	FHSS
Regulatory Type	FCC/IC

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: JUNE 2024 (241) Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 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 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

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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.

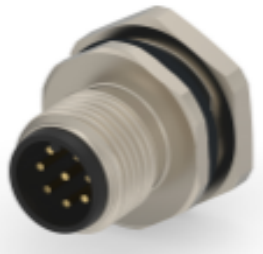
Compatible Parts



TE Part # OTX-900-HH-LR8-PRC


Remote HUM-PRC 900MHz FHSS 8Btn XCVR FCC

Customers Also Bought




TE Part #T4171220008-001

M12,FRONT MOUNT,MALE, A, 8P, 0.2 M WIRE




TE Part #2329383-1

PB OFF/ON FC BLK M1 TERM. IP68




TE Part #2329384-1

PB OFF/ON FC BLK M1 TERM IP68 500MM L




TE Part #2329387-7

PB OFF/ON FC RED M1 TERM RED LED IP68




TE Part #2329388-7

PB OFF/ON FC RED M1 TERM RED LED IP68 50




TE Part #2329328-4

PB OFF/ON HC GRE M1 TERM. IP68




TE Part #2329358-4

PB OFF/ON HC GRE M1 TERM IP68 500MM L




TE Part #ANT-433-CW-RH-SMA

Antenna 1/4 Wave Short 433MHz SMA



TE Part #L9000250-01

RP-SMA Jack 50 Ohm .062 PCB Edge Mount



TE Part #HUM-900-PRC-CAS

Module HUM-PRC 900MHz FHSS FM XCVR FCC

Documents

Product Drawings

Module HUM-PRO 900MHz FHSS FM XCVR FCC

English



Datasheets & Catalog Pages

HumPRO TM Series 868MHz RF Transceiver Module

English