HUM-868-PRC-CAS ✔ ACTIVE

TE Internal #: HUM-868-PRC-CAS

RF Module, Parallel / UART Interconnect, 9.6 – 115.2 Kb/s Data Rate, .863 – .87GHz Operating Frequency Range, 3.6 VDC, Packetized, Transceiver

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Radio Module Product Type: **RF Module**

Interconnection Type: **Parallel, UART**

Interface Data Rate: **9.6 – 115.2 Kb/s**

Operating Frequency Range: **.863 – .87 GHz**

Operating Voltage: **3.6 VDC**

Features

Product Type Features

Radio Module Product Type	RF Module
Radio Type	Transceiver

Configuration Features

Remote Interface	1 - 8 Buttons

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
Number of Channels	70
RF Data Rate	38.4 Kb/s

Body Features

Interconnection Type	Parallel, UART

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

Operating Frequency Range	.863 – .87 GHz
Wireless Data Type	Packetized
Modulation	GFSK
RX Sensitivity	-100 dBm
TX Power	10.6 dBm

Industry Standards

Module Security	AES
Module Protocol	LBT+AFA
Regulatory Type	CE

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 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-868-HH-LR8-PRC
Remote HUM-PRC 868MHz FHSS 8Btn XCVR EU

Customers Also Bought



TE Part #HUM-868-PRC-UFL
Module HUM-PRC 868MHz FHSS FM XCVR EU



TE Part #ANT-868-PML-UFL
Antenna R-Angle Swivel 868MHz RG178 UFL



TE Part #ADP-RPSM-SMAF-G
RP-SMA Plug to SMA Jack



TE Part #HUM-900-PRC-CAS
Module HUM-PRC 900MHz FHSS FM XCVR FCC



TE Part #52929
PIDG SP SPD 22-16COMM22-18MIL6



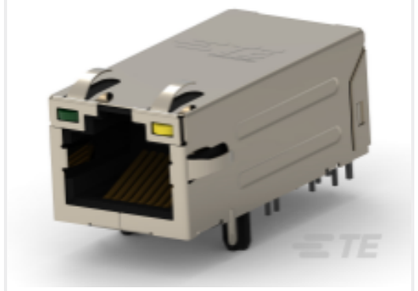
TE Part #5-1415528-1
RT3S4S15



TE Part #3-1879223-2
CPF 0603 499R 0.1% 25PPM 1K RL



TE Part #2-2176216-5
CPF A 0603 680R 0.1% 25PPM 1K RL



TE Part #5-2337992-5
RJ45 JACK MAG. POE 1GB LED 1X1 INV.



TE Part #ANT-868-USP-T
Antenna uSP PCB RPC 868MHz SMT T&R

Documents

Product Drawings

Module HUM-PRC 868MHz FHSS FM XCVR EU

English

Datasheets & Catalog Pages

HumPRO TM Series 868MHz RF Transceiver Module

English