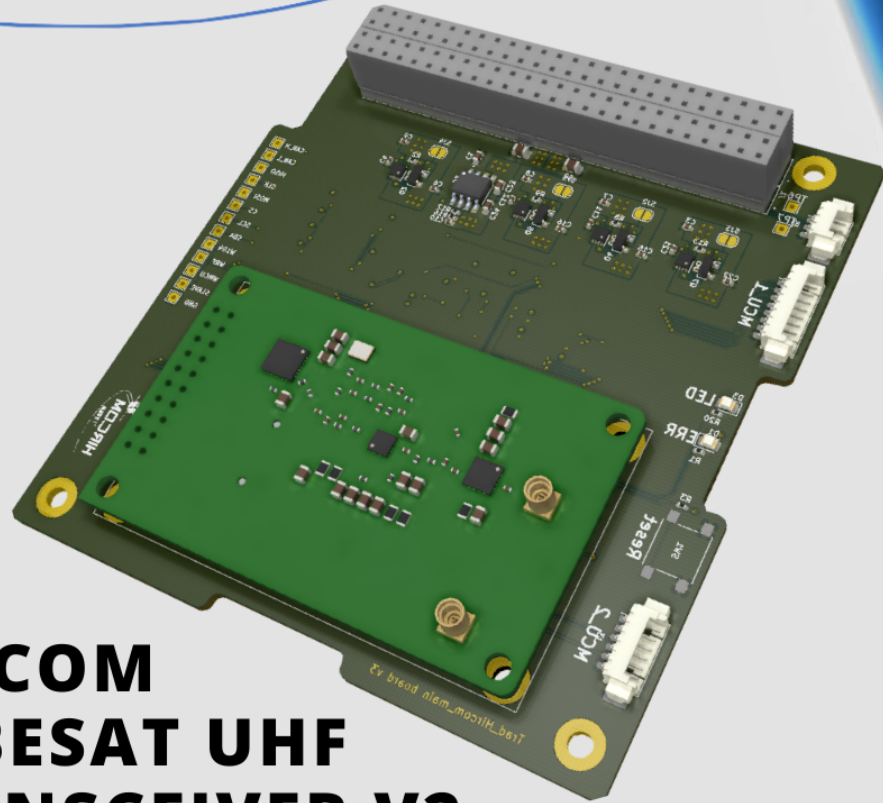




HIRCOM

By **TRAD**



HIRCOM CUBESAT UHF TRANSCEIVER V2

The HIRCOM High-Reliable Half-Duplex cost-effective sub-system for communications link over UHF band between space and ground segments with **software control interface and support**. They are compatible with the CubeSat standard with a CubeSat Kit **PC/104** and with **customizable connectors on demand**. Hircom is high reliability and radiation resilient.

Modulation : GMSK/AFSK

Dimensions : 95mmx90mmx15mm



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Technical Specifications

RF Specifications

Frequency range	400 to 438 Mhz
Maximum Output Power	32 dBm
Baud rate	1200 to 9600 bit/s
Frequency Stability	0.5 ppm
Maximum RX Input Power	-30 dBm
Supported Modulations	GMSK/AFSK

General Specifications

Interfaces	CAN-BUS SPI-BUS RF
Tests	Latch-up Free
Protocols Between Sub-systems	CSP, Custom
Mass	85g

Electical Specifications

Supply Voltage	Tranceiver and controller: 3.3V Power amplifier: 5V
Current Consumption	Receiving Mode: 630 mW Transiting Mode: 4.8 W Low Power Mode: 110 mW
Operating Temperature	-35 to 80°C

