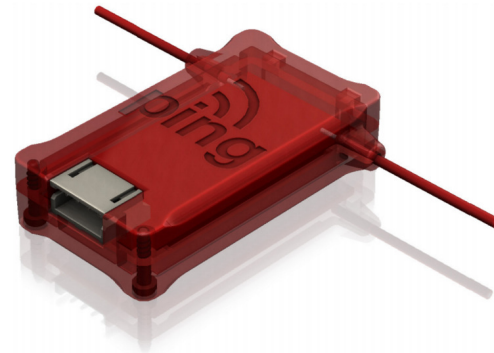


Overview

PING™ is the world's smallest, lightest and most affordable ADS-B receiver. At just 1.5 grams, it implements 'Sense and Avoid' for Drone operations in the national airspace.



Features

- Detects commercial aircraft threats on 1090MHz and 978MHz within a 100 statute mile radius in real time.
- Reports threats from commercial aircraft in a programmable spherical radius.
- Meets MOPS DO-282B.
- Meets MOPS DO-260B Class A-0.
- Board to board headers or JST-ZH connector.
- Integrated and External Antenna.
- US Patents Pending.
- Based on PING1 transponder IC.
- Connects directly to TELEM2 PX4 interface.

Regulatory

- Tested to FCC 47CFR Part 87.

Technical Specifications

Specification	Value
Input Voltage / Power	4-6V / 150mW
Size	30x15x3mm
Weight	1.5 grams
Receive	
MTL 1090MHz	-84dBm
Dynamic Range	-81 to 0dBm
MTL 978MHz	-93dBm
Dynamic Range	-90 to -3dBm
Transmit	
1090MHz	1/2W S/W disabled
978MHz	1/2W S/W disabled
Interfaces	
<ul style="list-style-type: none"> • MavLINK Serial 57600bps 	

Quality Standards and Procedures

Designed and assembled in the USA, HALT and HASS tested, IPC-610 class II soldering, production functional testing. Software D.A. to DO-178B, Hardware D.A. to DO-252 Class C.

Electrical Specification.

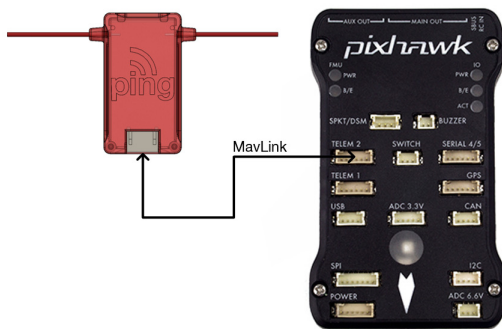
Mating Connector: JST ZHR-4

Pins: SZH-002T-P0.5

Pin	Type		Color
1	Input (5V tolerant)	MavLINK RXD	Red
2	Output	MavLINK TXD	Black
3	Power	4-6V	Black
4	Ground	GND	Black

Antenna Mating Connector: Molex 0731160024

Mechanical Specification.



Actual Size

