

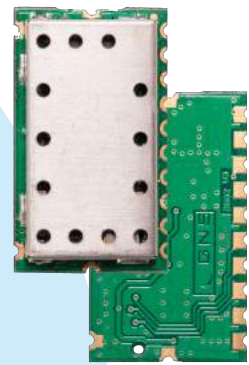
Product Summary

GNS5892R

Cost effective high sensitivity ADS-B receiver module

High performance small ADS-B module for versatile avionic applications

- ▶ Ultra low power consumption
- ▶ Cost efficient
- ▶ No doughnut effect
- ▶ Selectable filter Mode-S / ADS-B / CRC-OK



26.0 x 15.0 x 3.3 mm

GNS5892R

Operation Mode	
Mode-S	•
ADS-B	•

Interfaces	
UART	1

Power Supply	
Supply Voltage	3.3 V
I/O Voltage	3.3 V

PRODUCT DESCRIPTION

The GNS5892R ADS-B receiver module is the solution of choice for a multitude of avionic applications. The module is successfully implemented in numerous avionic use cases like In Flight Entertainment (IFE) systems, smart unit load devices (ULD) or mobile pilot information systems.

A power consumption of only 40mA makes the GNS5892R module the ideal solution for power critical battery based systems.

The sophisticated RF and amplifier design of the GNS5892R prevents the so called doughnut effect known from other ADS-B receivers. It is possible to receive ADS-B data seamlessly from very close to far away aircraft with no blind spots in-between.



► FEATURES

Receiver type	Tuned radio frequency receiver for 1090 MHz Mode-S / ADS-B
Sensitivity	-86 dBm

► PACKAGE

L x W x H	(26.0 x 15.0 x 3.3) mm
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► ENVIRONMENTAL DATA, QUALITY & RELIABILITY

Operating temperature	-20 °C to +70 °C
Storage temperature	-65 °C to +150 °C
RoHS compliant (lead-free)	

► ELECTRICAL DATA

Power supply (Vdd)	3.2 V to 3.5 V
Digital I/O voltage level	Vdd
Power consumption	40 mA

► INTERFACES

Serial interfaces	UART (baudrate 921 kbit/s, optional HW handshake)
Protocols	ASCII (AVR-Format)

► SUPPORT PRODUCTS

Evaluation Kit	GNS5892R Evaluation Kit
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