

UNMANNED AND REMOTELY PILOTED SYSTEMS

For over 50 years, Analog Devices, Inc. (ADI) has enabled our customers to develop advanced systems that achieve the signest levels of performance while reducing size, weight, power, system cost, and development time. Are gravices provides a wide range of solutions for the unmanned systems market.



Airframe Systems Monitoring

Precision vibration sensors and analogto-digital converters that support health utilization monitoring systems (HUMS).



Data Transmission and Vehicle Control

Integrated transceiver ICs for both flight management control and data transmission.

ANAL OG DEVICES

AD9361

Electrical Systems

Motor control, power management, isolation, conditioning, and high quality amplifier components supporting flight control, power management, charging, and propulsion systems.



Control Surfaces

Flight control sensing and precision measurement via linear variable differential transformer (LVDTs), rotational converters, and strain sensor converters.



Payloads

High speed and precision converters and digital signal processors (DSPs) for interfacing to analog sensors and detectors.

Advanced gyroscopes and accelerometers based on microelectomechanical systems (MEMS) for payload stabilization.

HDMI/DVI switches and buffers mpower easy expansion of a number

HDMI inputs for multiple input display pplications.



Modules

Analog Devices offers integrated system solutions to meet customers' specifications. ADI has developed a broad portfolio of digital, analog, microwave, and millimeter wave products to meet the challenges of unmanned systems supporting imaging, radar, surveillance, reconnaissance, and communications solutions.

Collision Avoidance and Mapping 24 GHz radar solutions for object detection, mapping, and ranging.



DO 178 B/C and DO 254 Support

Analog Devices recognizes the need to support D0 178 B/C and D0 254 processes to aid our customer's certification. ADI is working to provide the correct artifacts and processes to support complex components and software.

Customized Solutions and System in Package (SiP)

System in package solutions provide reduced size and increase integration to optimize system performance and footprint. Using ADI's broad portfolio of die, advanced integrated solutions can be created for a wide and diverse range of applications.

Integrated Assemblies

ADI designs and manufactures high performance miniature subsystems for high reliability applications utilizing ADI's expertise in system analysis, MMIC and module design, mechanical packaging, automated manufacturing, RF testing, screening, and qualification. The majority of MMIC ICs are ADI products that drive significant benefition to polling performance, schedule, screening, qualification, packaging, and design productation.

RoHS Compliance

Restriction of Hazardous Substances (RoHS) regulations restrict the use of our hear mercury, cadmium, and hexavalent chromium) and two brominates tame retare its diphenyl ethers and polybrominated biphenyls) in electrication delectronic devices products that allow our customers to be compliant with KeyS regulated Environ ADI's RoHS compliance program, see *Analog Devices RoHS Compliance Informatio*

Analog Devices evaluation boards are specifically designed solely for the purper of research development and are made available solely on a business-to-busin ss bare, therefore, the excluded from the scope of the RoHS 2 Directive.

Enhanced Products

ADI's enhanced products (EP) portfolio provides a commercial off-the-shelf (COTS) solution high reliability applications that negates the need for custom screening without the addition cost and challenges of custom designed parts. ADI focuses its efforts toward aerospace we parts certified to the Aerospace Qualified Electronic Component (AQEC) standard that define the minimum set of requirements provided by the manufacturer that will allow a COTS component to designated by AQEC (GEIA-STD-0002-1).

Aerospace

To learn more about ADI's capabilities and for a complete list of aerospace solutions, visit



Online Support Community

Engage with the Analog Devices technology experts in our online support community. Ask your tough design questions, browse FAQs, or join a conversation.

ez.analog.com



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Circuits from the Lab

Circuits from the Lab[®] reference designs are built and tested by ADI engineers with comprehensive documentation and factory-tested evaluation hardware.

www.analog.com/cftl

