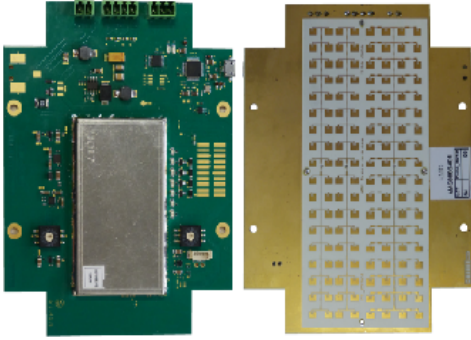


RADAR 3D - COTS

AMG0086 - 3D Radar

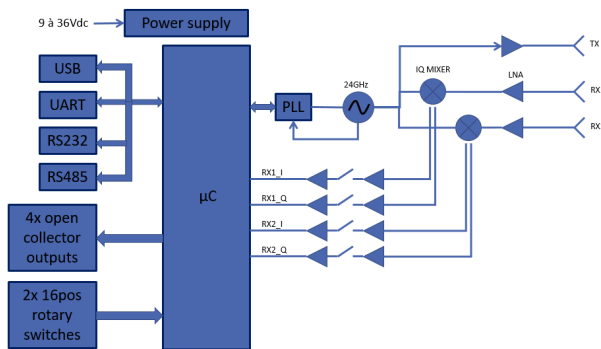


- Targets detection and tracking
- Trajectory measurement
- Sport
- Intrusion detection
- Traffic management
- Education

DESCRIPTION

The AMG0086 radar is the development platform for your future radar applications. Using a user-friendly interface, you will be able to develop your product in record time. This 3D radar can be configured with the most used modulations. It comes with an antenna system adapted to your project. This equipment is more than an evaluation board: it is intended for field installations and it complies with the regulations.

USE



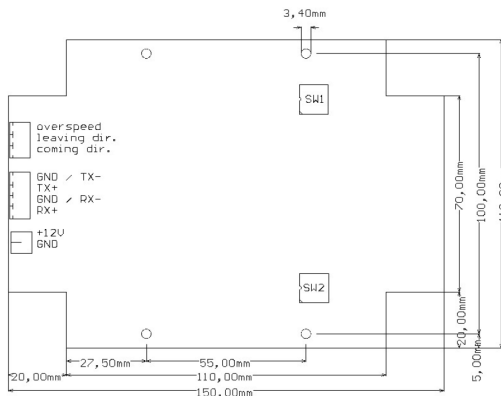
The radar generates the signals with CW, FSK or FMCW modulations. The angle measurement is made with a double antenna and 2 I&Q receivers.

Several configurable treatments are proposed. The radar provides distance, speed angle information for multiple targets. The antennas are to be defined according to the objectives of the client.

APPLICATIONS

- Site monitoring
- Traffic management
- Sports performance measurement
- Obstacle detection
- Camera sensor

ADDITIONAL INFORMATION



FEATURES

- 24GHz radar with 1x TX antenna and 2x RX antenna
- RF inputs and output connectorized for the use of various antennas
- Modulation: CW / FSK / FMCW with FSK
- Very high sensitivity
- Speed, direction, distance and angle measurement
- Multi-target detection
- Low power: 12V 240mA 2.88W with LNA
- Communication: USB / UART / RS232 / RS485
- 4x Open Collector Outputs
- 2x 16 position Rotary Switch

DISCLAIMER: AMG Microwave reserves the right to make modifications to the design and characteristics of this product at any time and without prior notice.
document reference: AMG0086-1



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