

LOW COST RADAR PROCESSING BOARD

AMG0092 - Radar

- Low cost
- Speed and distance measurement
- Robust
- Wide temperature range
- CW or FMCW radar modulation
- 3 open collector outputs

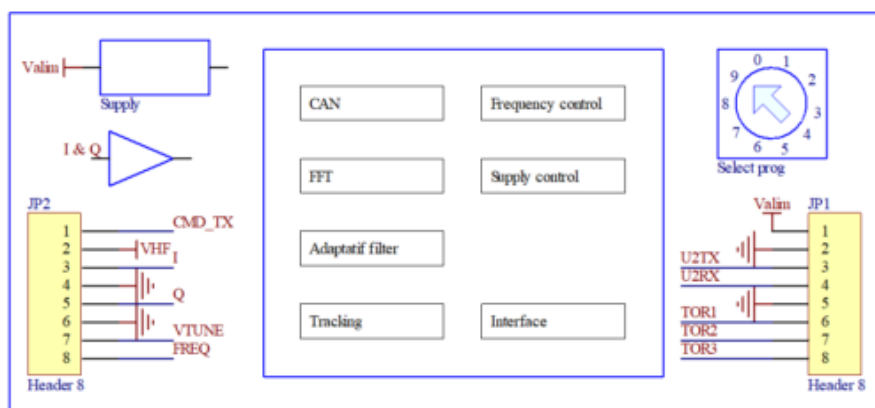
DESCRIPTION

The AMG0092 is a high-tech and robust circuit board with advanced radar processing features. It is a highly versatile product designed to deliver precise speed and distance measurements and to detect the direction of movement in a well-defined area.

This board can be coupled with our transceiver AMG0091 for a cost-effective solution to complex radar processing requirements, which provides outstanding detection performance for diverse applications from smart lighting and door sensors to obstacle detection and anticollision systems.

Its open collector type outputs can be used to control relays or alarm systems. Data on speed and distance measured, as well as on the direction of movement can be recovered via serial communication bus.

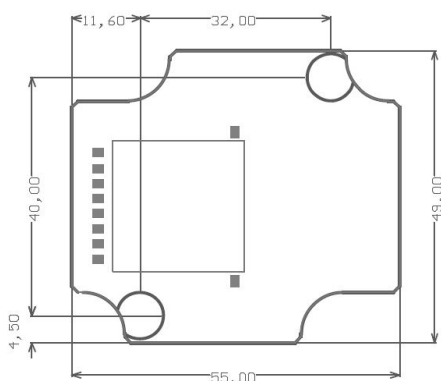
USE



APPLICATIONS

- Speed and distance measuring
- Security - Presence detection
- Smart lighting controls
- Door opening sensors
- Obstacle detection / anticollision systems
- Counting

ADDITIONAL INFORMATION



FEATURES

- Low speed range 0.5 km/h to 50 km/h
- High speed range 5 km/h to 255 km/h
- Accuracy ± 0.2 kmh (low speed) and ± 1 kmh (high speed)
- Distance accuracy ± 1.5 m
- Supply voltage: 5 V - 17 V
- Current: 35 mA (12 V)
- Dimensions: 19 x 35 x 73 mm
- Operating temperature -40 °C à +85 °C

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