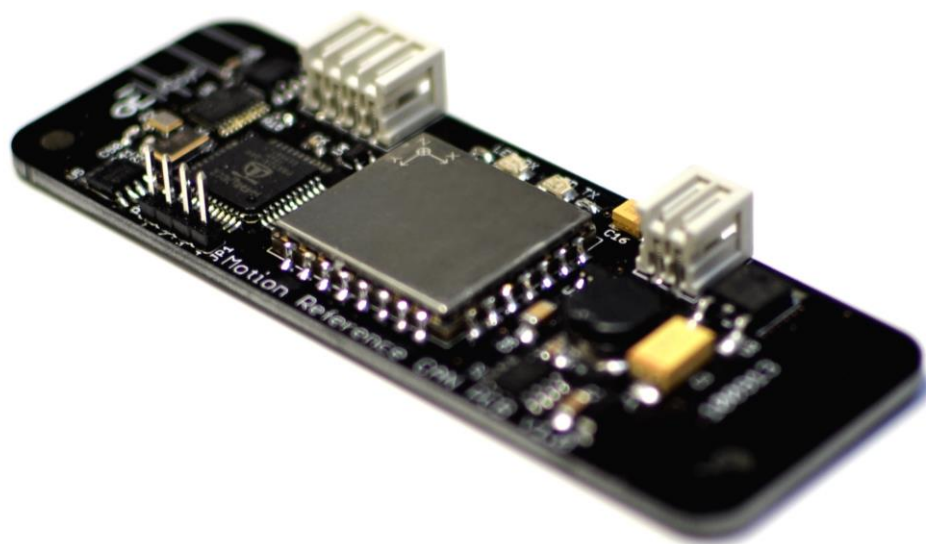


SPECIFICATIONS

CS MOTION REFERENCE



Description

The Motion Reference board is a high-performance Attitude and Heading Reference System (AHRS).

The Motion Reference board is an expansion board for the control system range. It runs both stand-alone and connected to a master PCB

The board computes and outputs a real-time attitude solution that is continuous over a complete range of 360° motion.

The board communicates through CAN-bus interface.

Features

- Control System Expansion
- LED Indicators for Diagnostics
- Stackable with other CS PCBs for shared power & CAN-bus.
- PC/104 compatible hole pattern
- Continuous attitude solution
- Outputs rate of turn in all axes
- Magnetic 3 axis compass
- CAN-Bus

SPECIFICATIONS

CS MOTION REFERENCE

General Technical Specifications

Type		PCB Motion Reference
Dimensions	mm	96x34x10
Weight	g	~50
Temperature Operational (ambient)	°C	-20 to +70
Temperature Storage	°C	-20 to +80

Electrical

Supply Voltage	VDC	24 (12-30)
Power Consumption	W	~5W

Communication

CAN-Bus	kbps	250
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Performance

Magnetic Heading accuracy	°	+/- 1 (when no external magnetic disturbances)
Attitude accuracy (Pitch/Roll)	°	+/- 0.5
Rate Gyro Range	°/s	+/- 2000
Accelerometer Range	g	+/- 16

Ordering Part Numbers

Description	Part Number
PCB Motion Reference	100912

Accessories

Connector - 2 Way Cable Contact	100040
Connector - 4 Way Cable Contact	100086

SPECIFICATIONS

CS MOTION REFERENCE

