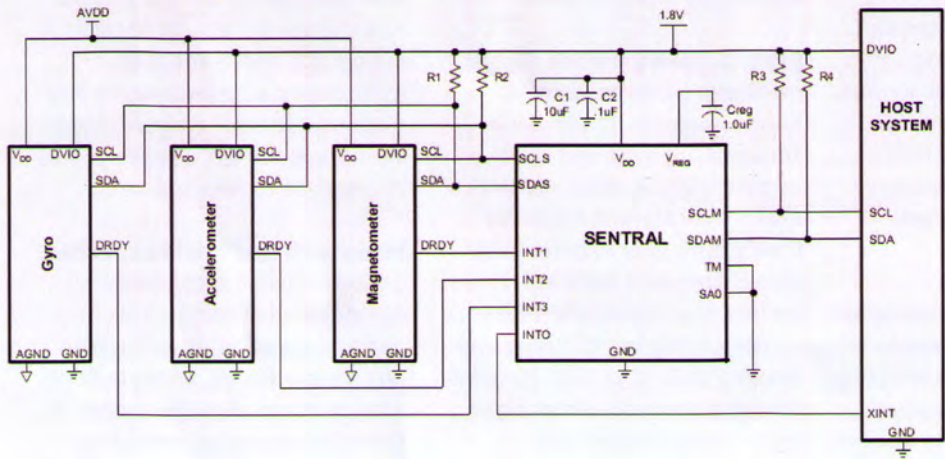


Operating Specifications¹

Accuracy	2° rms	
Data Update Rate	400 Hz max.	
Latency	<1 video frame	
Outputs	Heading, Pitch, & Roll, Rotation Matrix, Quaternions, Sensor Data	
Supply Voltage (V _{DD})	1.6 to 3.3 VDC	
Current Consumption	Peak	800 µA
	Normal Operation	350 µA
	Standby	5 µA
I ² C Interface Frequency	100 to 3400 kHz	
Dimensions	1.6 x 1.6 x 0.5 mm	
Operating Temperature	-40 to +85 C	

1. Specifications are preliminary and subject to change.



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ABOUT PNI SENSOR

PNI Sensor Corporation is the leader in the exacting science of producing pinpoint heading and orientation technology and algorithms for the consumer, military, scientific and oceanography communities. Building on decades of patented sensor development, PNI offers highly accurate magneto inductive sensor systems and 9-axis sensor fusion technology. Its products are used in consumer electronics, robotics, surveying, navigation and automotive applications across the globe. To learn more, please visit www.pnicorp.com

ABOUT EM MICROELECTRONIC – MARIN SA

Founded in 1975, EM Microelectronic is a division of Swatch Group of Switzerland designing and producing several hundreds of millions of miniaturized, ultra-low power integrated circuits annually for more than 150 customers in 35 countries. It is today a leader in supplying electronic circuits for battery operated and field-powered applications.

EM produces standards as well as customer specific ICs for applications in the field of consumer and industrial electronics, automotive, telecommunications, and computer peripherals industries. The company is certified to the international standards ISO9001:2000 and ISO/TS16949:2002. To learn more, please visit www.emmicroelectronic.com

