



NMH1000 Ultra-Low Power and Low-Voltage Magnetic Switch

NMH1000

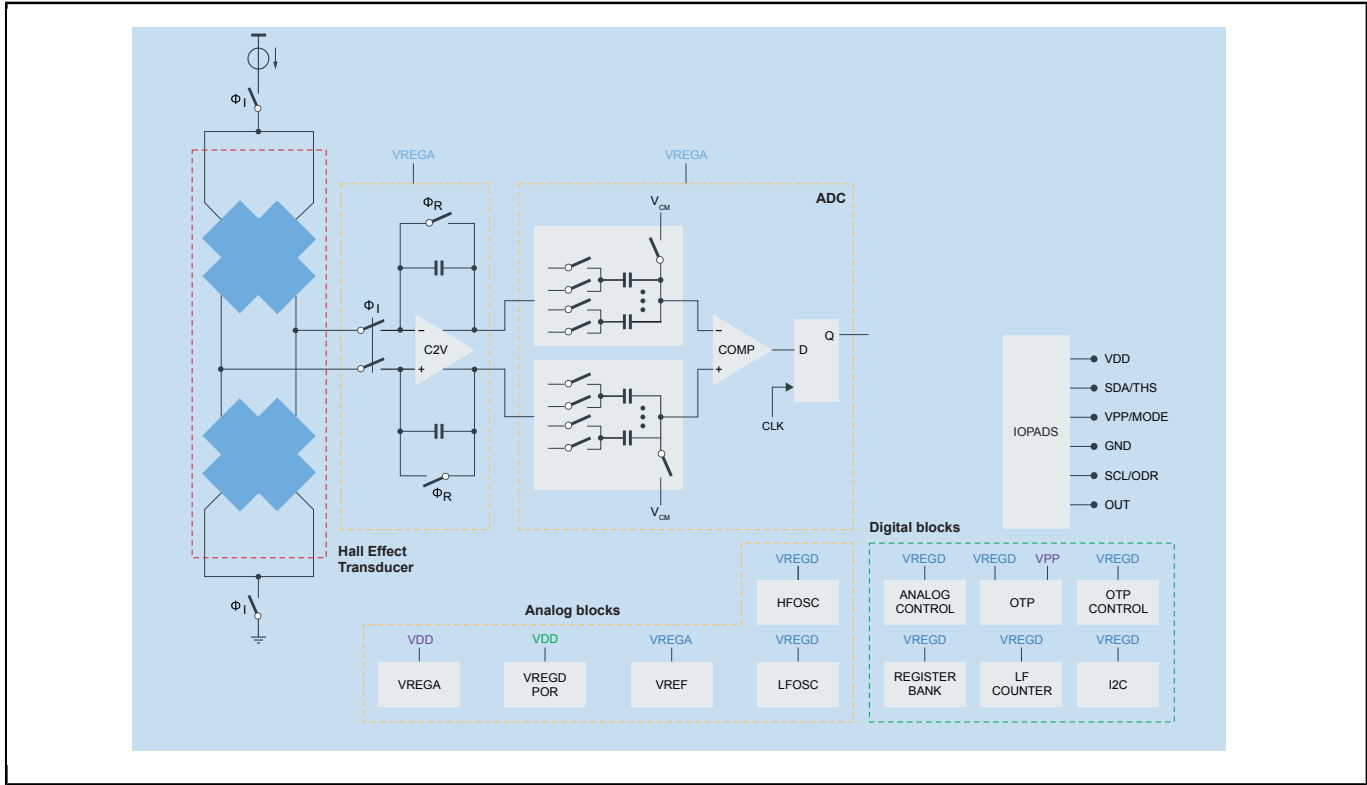
Last Updated: Sep 11, 2023

For additional information and sample availability [contact support](#) or your local sales representative.

The NMH1000 is an ultra-low power monolithic Hall effect magnetic field sensor that provides a small footprint in a DFN 1.4 x 1.4 x 0.85 mm package in low-current and low-operating-voltage, I²C mode or standalone mode.

The sensor is most sensitive to a vertical field passing through the top-to-bottom surfaces, orthogonal to the plane of the application PCB. The input consists of a magnetic field ranging from earth-bound background to a maximum BG_{max}. Output is asserted when surrounding magnetic field is greater than the user-defined detection threshold. In the I²C mode, an indication of the magnetic field value can be reported out.

Ultra Low Power and Low Voltage Magnetic Switch Block Diagram



View additional information for [NMH1000 Ultra-Low Power and Low-Voltage Magnetic Switch](#).

Note: The information on this document is subject to change without notice.

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2023 NXP B.V.