

Melexis

INSPIRED ENGINEERING

LATERAL SENSING WITHIN LATCH
& SWITCH PRODUCTS

MLX92211

3-WIRE LATCH

BLDC
MOTOR



The hammerhead shark is able to detect electronic signals of no more than half a billionth of a volt. The process uses specialized electroreceptors to detect and locate the source of an external electric field in its environment. What better animal to reflect our sensing capacities?

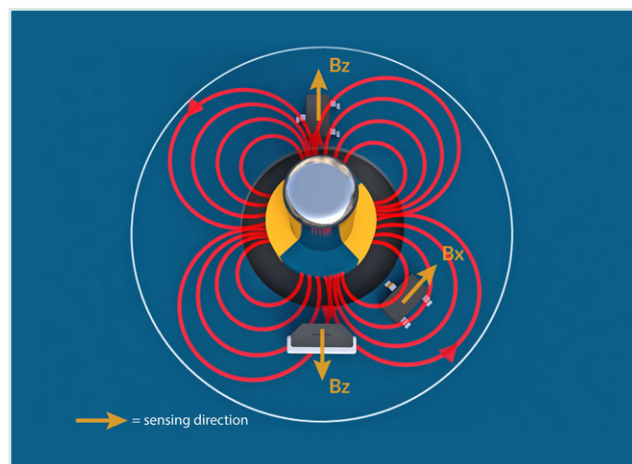
A WHOLE NEW WORLD OF SENSING POSSIBILITIES

Melexis' Latch & Switch sensors use an innovative magnetic technology that allows the measurement of the lateral magnetic flux component.

As brushless DC (BLDC) motors become an increasingly popular choice for many applications including blowers, cooling fans and pumps, more sophisticated control is required. By integrating an IMC into products, such as the MLX92211, surface mount sensing is available, thereby simplifying the production process and reducing the space required.

KEY FEATURES

- ✓ Enabling of SMD reflow soldering rather than traditional through hole component with support
- ✓ Multiple pre-programmed versions available
- ✓ High accuracy achieved by EEPROM trimming at Melexis
- ✓ Lateral sensing made possible by IMC-Hall® technology



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