

MLX92292

MELEXIS EXPANDS

LATERAL SENSING  
TO LATCH/SWITCH



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?

## ASIL B - MICROPOWER - TRIAXIS®

Unique magnetic latch/switch sensor with lateral sensitivity suitable for ISO26262-compliant applications.



MLX92292

The MLX92292 represents a whole new way of sensing. This device delivers switch and latch functions, but unlike existing products on the market it can determine the presence of magnetic fields that are lateral, not just orthogonal.

### KEY FEATURES

- ✓ Enabling ASIL B functional safety demanded by automotive industry
- ✓ Pre-programmed and programmable devices
- ✓ Different magnetic field orientations
- ✓ Micropower mode (7µA) direct interfacing with battery

### MAIN APPLICATIONS

- ✓ Brake systems
- ✓ Steering mechanisms
- ✓ Gear shifting
- ✓ Transmission/powertrain systems
- ✓ Power door locks and sunroofs



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