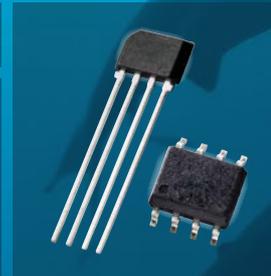


MLX92242 / MLX92232 / MLX92292

## DUAL DIE PACKAGE CONCEPT



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?

## MELEXIS FIRST TO LAUNCH DUAL DIE PACKAGE CONCEPT FOR POPULAR HALL LATCH/SWITCH FAMILY

Advanced packaging delivers flexible accurate measurement and redundant operation.



This new package platform has been designed for high accuracy applications by putting two silicon sensors in one single housing. Thanks to this approach the sensitive points are extremely close to each other, resulting in an immediate and accurate output response based on the magnetic field that has been sensed. Redundancy is generated by evaluating both outputs which can be programmed completely independent from each other, for example inverted output, different switching thresholds, North or South sensitive,...

### FEATURES & BENEFITS

- ✓ Smaller module design
- ✓ Increased accuracy
- ✓ Lower BOM count
- ✓ Higher reliability from fewer components
- ✓ Increased functionality :
  - Inverted output option
  - North or South field detection
  - Fully independent programmable thresholds
  - Alarm option
- ✓ Dual die MLX92232 industry standard SIP TO-92 "VA" package
- ✓ Dual die MLX92292 industry standard SMD "SO-8" package ISO26262-compliant

### MAIN APPLICATIONS

- ✓ Shifter applications
- ✓ Neutral position sensing
- ✓ Brake light switch sensor

