3-WIRE MICOPOWER LATCH & SWITCH

MLX92235

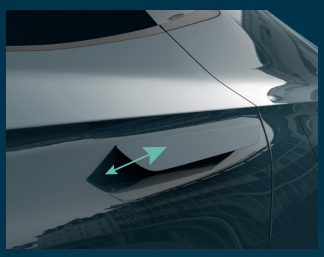
The MLX92235 is an ultra low power Hall-effect switch with best-in-class tolerances for reliable and predictable output update rate. This compact device is designed for micropower open-close detection. It is an ideal replacement for reed switches and well-suited for battery-powered and other low-voltage applications where minimizing current consumption is critical.

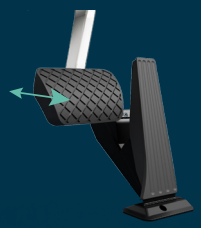
Key features

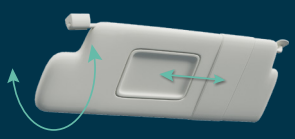
- Micropower consumption in operation
  - 0.9µA at 1.8V/11Hz
  - 1.2µA at 3.3V/11Hz
  - 1.2µA at 1.8V/22Hz
  - 1.6µA at 3.3V/22Hz
- Best in class min/max IDD tolerances
  - for a stable and predictable power budget
- Typical sleep current 0.65 µA at 1.8V
- Operating voltage range from 1.6V to 5.5V
- Push-pull or Open Drain output type
- No external components required
- Selectable Sleep time 0.6ms to 800ms
- Ambient temperature from -40°C to 105°C
- Chopper stabilized very sensitive Hall sensor
- Selectable magnetic thresholds and temperature coefficient
- Various magnetic functions: Unipolar, Omnipolar Switch
- Under-Voltage Reset protection
- Packages, RoHS compliant
  - TSOT-3L (SE) 2.8mm x 2.9mm

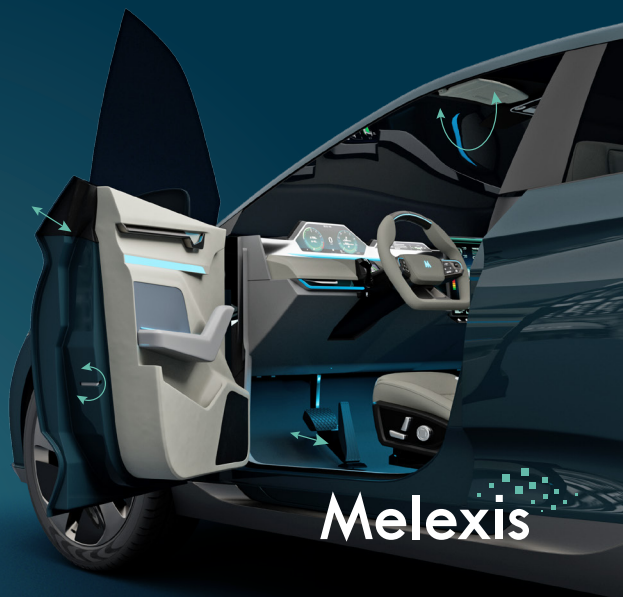
Applications

- Brake light/ wake-up switch
- E-Latch / e-door Handle
- Sunvisor / Vanity Mirror
- Button / HMI / Levers
- Seat positioning / folding
- Proximity sensor, Reed switch replacement, open/close detection









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