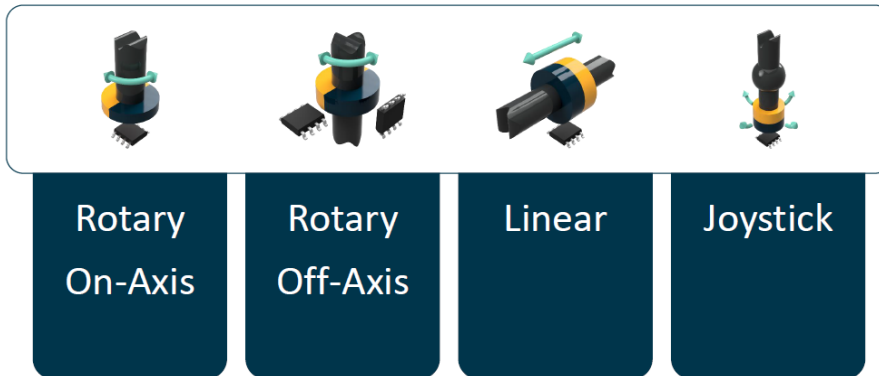


Just one chip supports rotary, linear, and joystick motion.



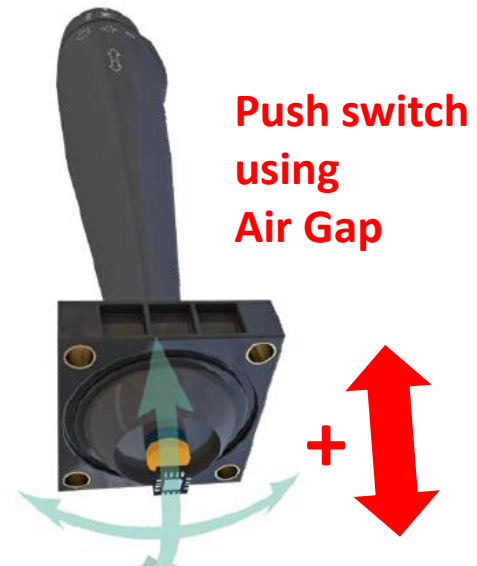
KFT helps your design and development and provides evaluation tools.

MLX90395 Outline

© The MLX90395 is a miniature sensor IC capable of measuring 3D magnetic fields, temperature, and supply voltage. This allows the MLX90395 to detect the absolute position of nearly any nearby magnet and includes programmable parameters to optimize power, noise, and speed. It enables the design of a novel generation of non-contacting position sensors that are required for both automotive and industrial applications utilizing rotary, linear, and joystick motion.

© KEY FEATURES

- Micro-power magnetic field sensor
- Selectable measurements with programmable duty cycle
 - 16-bit magnetic field (X, Y, and/or Z)
 - 16-bit supply voltage (V)
 - 14-bit temperature (T)
- Triggered, free-running, and wake-on-change modes
- Programmable sensitivity, offset, filtering, and thresholds
Reduced standby power by programmable idle time.
- Extended magnetic field range option
- Power supply Voltage: 2.2~3.6V
- Interfaces: 10 MHz SPI or
Normal mode: ~100KHz / Fast mode: ~1MHz I2C
- Monitoring power supply voltage
- Improved resistance to stray magnetic field
- Automotive-grade (AEC-Q100)



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