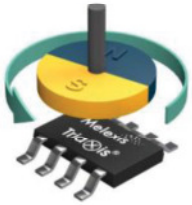
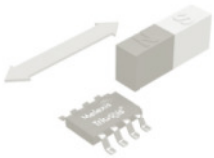
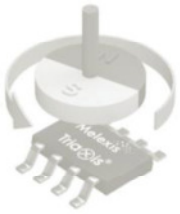
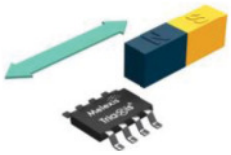
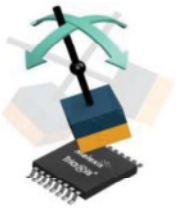
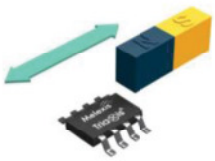
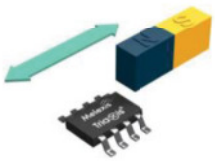
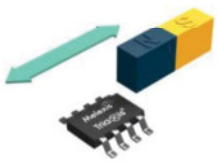
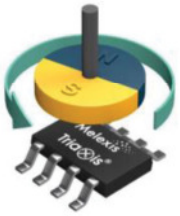
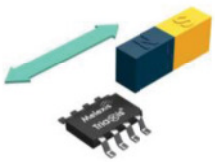
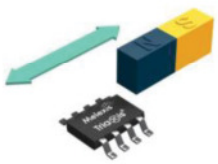
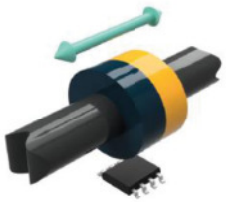
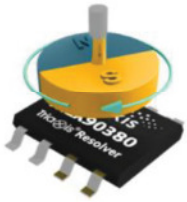
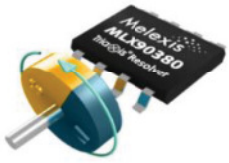
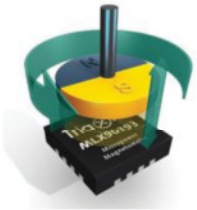
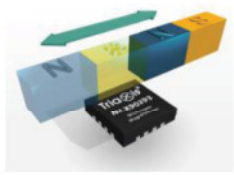
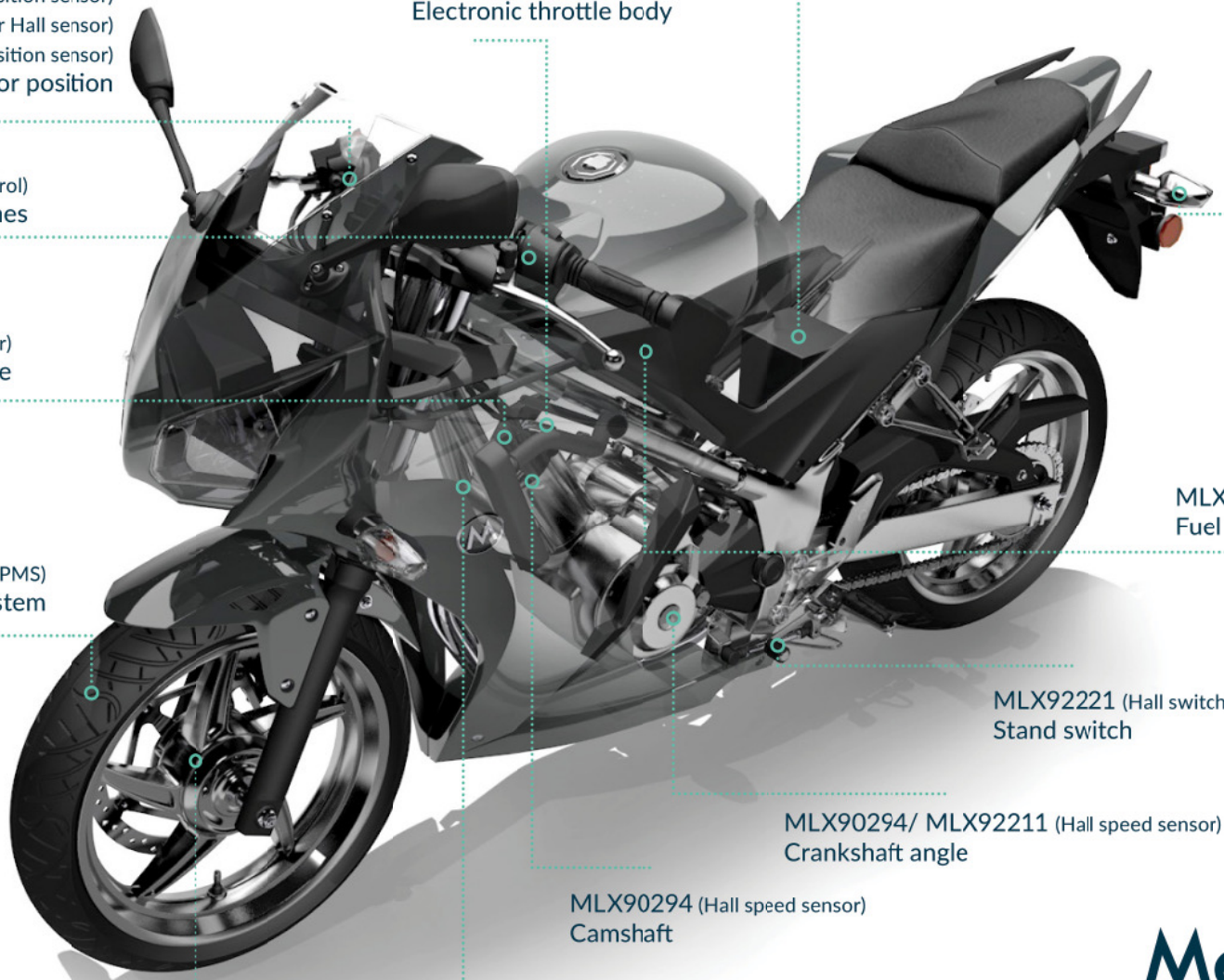
Hall-Sensors	Rotary	Linear	Joystick	Features & Options
MLX90316				• Triaxis® Hall Technology • Simple Magnetic Design • Diagnostic Signaling • 4 Point Teach-In • Analog, PWM or SPI Out • Optional Dual Output • Single-DIE or Dual-DIE
MLX90333				• Triaxis® Hall Technology • Simple Magnetic Design • Programmable Features • Diagnostic Signaling • 9 Point Teach-In • Analog, PWM or SPI Out • Single-DIE or Dual-DIE
MLX90363				• Triaxis® Hall Technology • Simple Magnetic Design • Full SPI Interface • SPI Programmable • Diagnostic Features • 3V3 or 5V Supply • Single-DIE or Dual-DIE
MLX90364/5			 *	• Triaxis® Hall Technology • Simple Magnetic Design • Diagnostic Features • Fast RefreshRate <300µs • Multiple Point Teach-In • Analog or PWM Output • Single-DIE, Dual-DIE or PCB-Less Design
MLX90366/7			 *	• Triaxis® Hall Technology • ASIL-Ready • Full Diagnostic Features • Simple Magnetic Design • Multiple Point Teach-In • SENT SAE J2716-2010 • Single-DIE, Dual-DIE or PCB-Less Design
MLX90371/2			*	• Triaxis® Hall Technology • ASIL-B or -C Capable • **Stray-Field Robust** • Full Diagnostic Features • Multiple Point Teach-In • Analog or PWM • SENT SAE J2716-2016 • Single-DIE, Dual-DIE or PCB-Less Design
MLX90380				• Triaxis® Hall Technology • Sin & Cos Analog Out • X/Y, X/Z or Z/Y Axis • High Speed (25000 RPM) • Output Refresh Rate 4µs • 3V3 or 5V Supply • Single-DIE or Dual-DIE
MLX90393				• Triaxis® Hall Technology • 3D Magnetometer • µPower & LowVoltage • Multiple Operation Modes • SPI & I^2C Interface • InApp Programmable Sensitivity, Resolution & Filter

* Linear or 1/2 Joystick

CHIPS IN MOTORCYCLES



MLX92231 (Hall switch)
MLX92241 (Hall switch)
Tilt angle sensor

MLX90365 (Hall angle position sensor)
MLX90371 (Hall angle position sensor)
Electronic throttle body

MLX90371 dual disk (Hall angle position sensor)
MLX90293 (Linear Hall sensor)
MLX90365 (Hall angle position sensor)
Accelerator position

MLX10803
LED driver

MLX80104 (LIN switch I/O control)
Switches

MLX90817 (Pressure sensor)
Manifold air pressure

MLX80301 (BLDC motor driver)
Fuel injection pump

MLX91804 (TPMS)
Tire pressure monitoring system

MLX92221 (Hall switch)
Stand switch

MLX90294/ MLX92211 (Hall speed sensor)
Crankshaft angle

MLX90294 (Hall speed sensor)
Camshaft

MLX92242+IMC (Hall switch)
Wheel speed (ABS)

MLX81325 (Fan driver)
Radiator fan

Melexis
INSPIRED ENGINEERING