Ask Infineon. Get connected with the answers.

Have you already selected some value-added products available and in high demand today?

Our global innovation teams are always working on new and exciting device developments!

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**Hall Switch Family TLE4910x**

- Small current consumption (150 mA)
- High level output current up to 4.5 A
- Single supply voltage: 2.7 V to 5.25 V
- Integrated Schottky diode
- Low external components required
- Available in 10-pin DIP and 16-pin SIP packages

**Auto LED Drivers**

- Develops brake lights not optimised for automotive applications
- High brightness, low dropout voltage
- Temperature range: -40 °C to +125 °C
- 3.3 V and 5 V compatible with 32-bit MCUs

**Industrial DC/DC Regulators and Controllers**

- High input voltage range: up to 60 V
- Ultralow dropout voltage
- Low quiescent current: 300 nA
- Temperature range: -40 °C to +125 °C
- Available in SO-8 and SO-16 packages

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**Double Hall Sensor for Directional Detection & Index Counting TLE4906/4966**

- Small current consumption (20 mA)
- Fully integrated Schottky diode
- High level output current up to 4.5 A
- Single supply voltage: 2.7 V to 5.25 V
- Low external components required
- Available in 10-pin DIP and 16-pin SIP packages

**Power LED Drivers**

- Efficient circuitry design to optimise power dissipation
- High brightness, low dropout voltage
- Temperature range: -40 °C to +125 °C
- Available in SO-8 and SO-16 packages

**Commodity Linear Voltage Regulators and LEDs**

- High precision<br>3.3 V and 5 V compatible with 32-bit MCUs<br>Low quiescent current: 200 nA<br>Temperature range: -40 °C to +125 °C
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**32-bit Microcontroller AURIX™ Family**

- Enhanced motor control peripherals
- Flash size from 512 KByte up to 8 MByte
- Application specific:
  - Communication: USIC (2ch each: UART, SPI, DSPI, QSPI, I2C, I2S, LIN)
  - Analog-mixed signal: 12-bit fast ADCs (up to 2Msps)
- 160 KByte RAM and 4 KByte Cache
- System cost savings (embedded V Reg, EEPROM support, on-chip oscillator)
- Scalable product family

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**22-bit Microcontroller XC1640/XC1000 Family**

- Enhanced CAN nodes and Programmable Hardware Event Management
- X/about with optional CAN 2.0B
- Single clock operation (X/about with optional CAN 2.0B)
- Wide temperature range: -40 °C to +125 °C
- Available in small SMD package SOT23

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**Angle Sensor Family**

- Integrated 1MHz resonant excitation technology
- Full 360° angle range
- Supply voltage: 2.5 V to 5.5 V
- Integrated analog output and level shift
- Integrated temperature sensor
- Stable performance over the entire temperature range
- Available in 8-pin SOT23 packages

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**Twist Independent Vehicle Speed Sensor TLE4125**

- More than 20% high off road sensitivity with capability of heated output levels
- Reduced and high temperature operation
- Operation at speeds as low as 5 km/h
- Robust against electrical noise during stop and start
- Integral signal conditioning circuit to allow easy assembly
- Low cost sensor
- Covering a large variety of applications
- AEC-Q200 qualified

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**Infineon® Embedded Power ICs 0.6 to 2.6 kV B-Clock Driver IC & 6-bit Microcontroller**

- Complete system on chip (SoC) solution
- High current (up to 4 A)
- Low quiescent current: 100 nA
- Temperature range: -40 °C to +125 °C
- Available in SO-8 and SO-16 packages

**Low Voltage Power MOSFETs**

- Get MOSFETs right for your drive applications (low on-state RDS(on) and low gate charge)
- High voltage and current rating choices
- Small, compact packages
- Suitable for EMI and thermal design requirements
- Integral gate drivers supporting internal and external gate drivers
- Available in SO-8 and SO-16 packages
- AEC-Q200 qualified
- 3.3 V and 5 V compatible
- High power switching needs

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**11-bit Microcontroller XC1640/XC1000 Family**

- Enhanced CAN nodes and Programmable Hardware Event Management
- X/about with optional CAN 2.0B
- Single clock operation (X/about with optional CAN 2.0B)
- Wide temperature range: -40 °C to +125 °C
- Available in small SMD package SOT23

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**Infineon® Low Power Hall Switch TLE4916-1K**

- Enhanced motor control peripherals
- Flash size from 512 KByte up to 8 MByte
- Application specific:
  - Communication: USIC (2ch each: UART, SPI, DSPI, QSPI, I2C, I2S, LIN)
  - Analog-mixed signal: 12-bit fast ADCs (up to 2Msps)
- 160 KByte RAM and 4 KByte Cache
- System cost savings (embedded V Reg, EEPROM support, on-chip oscillator)
- Scalable product family

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**System cost savings**

- Enhanced EMC & ESD robustness
- Resistance against vibration during startup calibration
- Dynamic self-calibration principle: compensates offsets
- Automotive qualified (Temp-range: -40 °C ... +125 °C)
- 40 ... 165kPa (KP25x)
- Peripheral event controller
- Available in small SMD package SOT23

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