SENSOR IC’s

FAMAS - FAST MAGNETIC ANGLE SENSOR SENA2DX

- Angle measurements up to 200'000 rpm rotational speed
- Instantaneous angle position, digital information
- Rotational position, angle and speed measurement
- High angular resolution: <0.08°
- Fast response: Latency <1us
- Spatial resolution: 100x100μm²
- Magnetic field range: 15mT - 200mT
- On-chip parametrizable: clock frequency, angular resolution, output filter
- On-chip correction of sensitivity, offset, noise, temperature drift
- Outputs: SPI, A quad B and UVW
- High temperature: -45°C to +125°C
- QFN16 package

ANYCS - CURRENT SENSOR SENCS1DX

- Sensitivity perpendicular to the chip surface
- Four selectable ranges: 4mT, 20mT, 100mT, 500mT
- Frequency bandwidth: DC – 400kHz
- Low noise: <0.3%Vdd
- On-chip parametrizable
- On-chip correction of sensitivity, offset, noise and temperature drift
- Analog output
- High temperature: -45°C to +150°C
- SIP-4L package

3DHALL - 3-AXIS POSITION HALL SENSOR SENM3DX

- Any-Axis / All Axis (Bx, By, Bz) linear position sensor
- DC Magnetic field resolution: 1μT
- Low noise: 100nT/√Hz
- 3-Axis spatial resolution: 100x100μm²
- Seven selectable measurement ranges: from 40mT to 4T
- High frequency bandwidth: DC to 300kHz
- 16 bit AD converter
- Threshold switch
- On-chip parametrizable
- On-chip correction of sensitivity, offset, noise, temperature drift
- Outputs: Analog, PWM and SPI
- High temperature: -45°C to +125°C
- QFN16 package