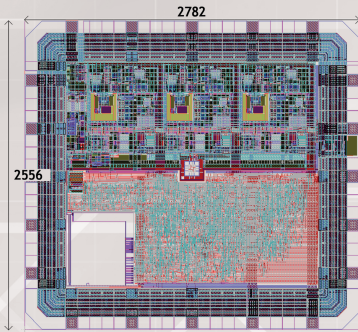


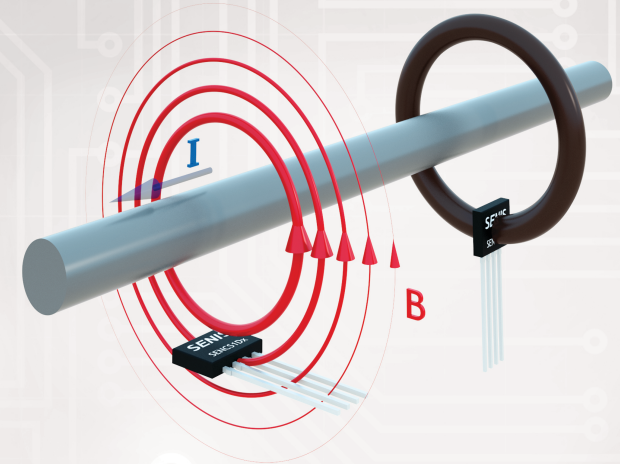
SENSOR IC's

SENIS
magnetic & current measurement



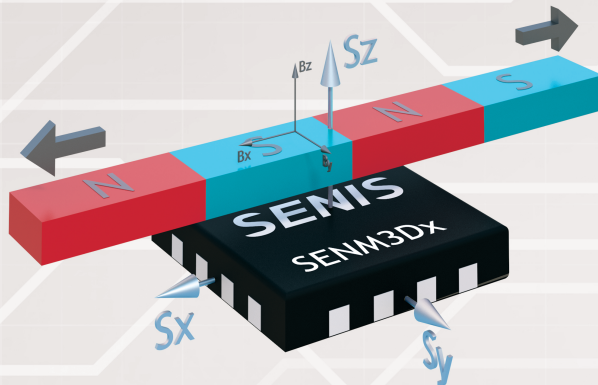
FAMAS - FAST MAGNETIC ANGLE SENSOR SENA2DX

- Angle and speed measurement at up to 400'000 rpm
- Direct angle position (no need for ADC)
- Rotational position, angle and speed measurement
- High angular resolution: $<0.09^\circ$
- Fast response: Latency $<1\mu s$
- Spatial resolution: $100 \times 100 \times 10\mu m^3$
- Magnetic field range: 20mT - 400mT
- 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
- On-the-shaft
- High temperature range: $-45^\circ C$ to $+125^\circ C$
- QFN28 package



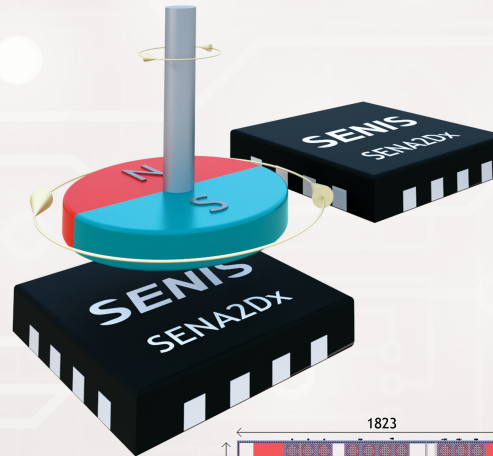
ANYCS - CURRENT SENSOR SENCSDX

- Sensitivity parallel and perpendicular to the chip surface
- 32 selectable ranges from 5mT to 1T
- Frequency bandwidth: DC - 1MHz
- Ultra fast response: $<500 ns$
- Low noise: $<6\mu V_{RMS}$
- On-chip parametrizable
- Quiescent reference output 0V - 5V
- Power supply: 3.3V - 5.5V
- Under / Over voltage detection
- Analog output (ratiometric and non-ratiometric)
- High temperature range: $-40^\circ C$ to $+150^\circ C$
- ESD: 4kV
- TO-92 package



3DHALL - REAL 3-AXIS HALL SENSOR SENM3DX

- Any-Axis / All Axis (Bx, By, Bz) liner Hall sensor
- DC Magnetic field resolution: $1\mu T$
- Low noise: $100nT/\sqrt{Hz}$
- 3-Axis spatial resolution: $100 \times 100 \times 10\mu m^3$
- Seven selectable measurement ranges: from 15mT 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 range: $-45^\circ C$ to $+125^\circ C$
- QFN28 package



FAMAS
is the winner of
AMA Innovation Award

