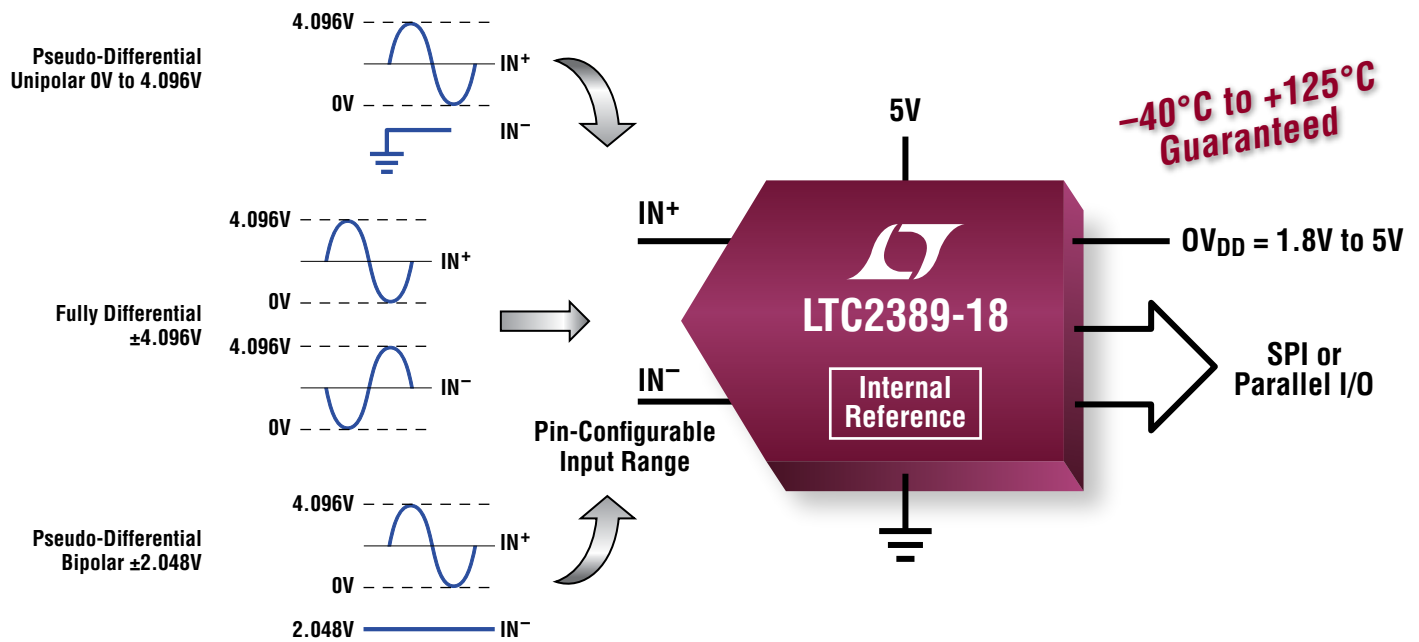


18-Bit, 2.5MSPS SAR ADC 100dB SNR



Pin-Configurable Fully Differential or Pseudo-Differential Input Range

Features

- 18-Bit/16-Bit No Latency, 2.5MSPS Pin- and Timing-Compatible SAR ADCs
- Wide $\pm 4.096V$ Fully Differential Inputs Maximize Dynamic Range to Achieve 100dB SNR Performance
- Pin-Configurable Input Ranges $\pm 4.096V$, $\pm 2.048V$ or 0V to 4.096V Allow Flexibility in the Input Signal Chain
- Precision DC Specifications Feature $\pm 3\text{LSB}$ INL (Max) and 18 Bits No Missing Codes Resolution
- Precision 20ppm/°C (Max) Internal Reference and Reference Buffer Reduce External Components and Save Board Space

18-Bit/16-Bit Pin-Compatible Serial/Parallel I/O SAR ADCs

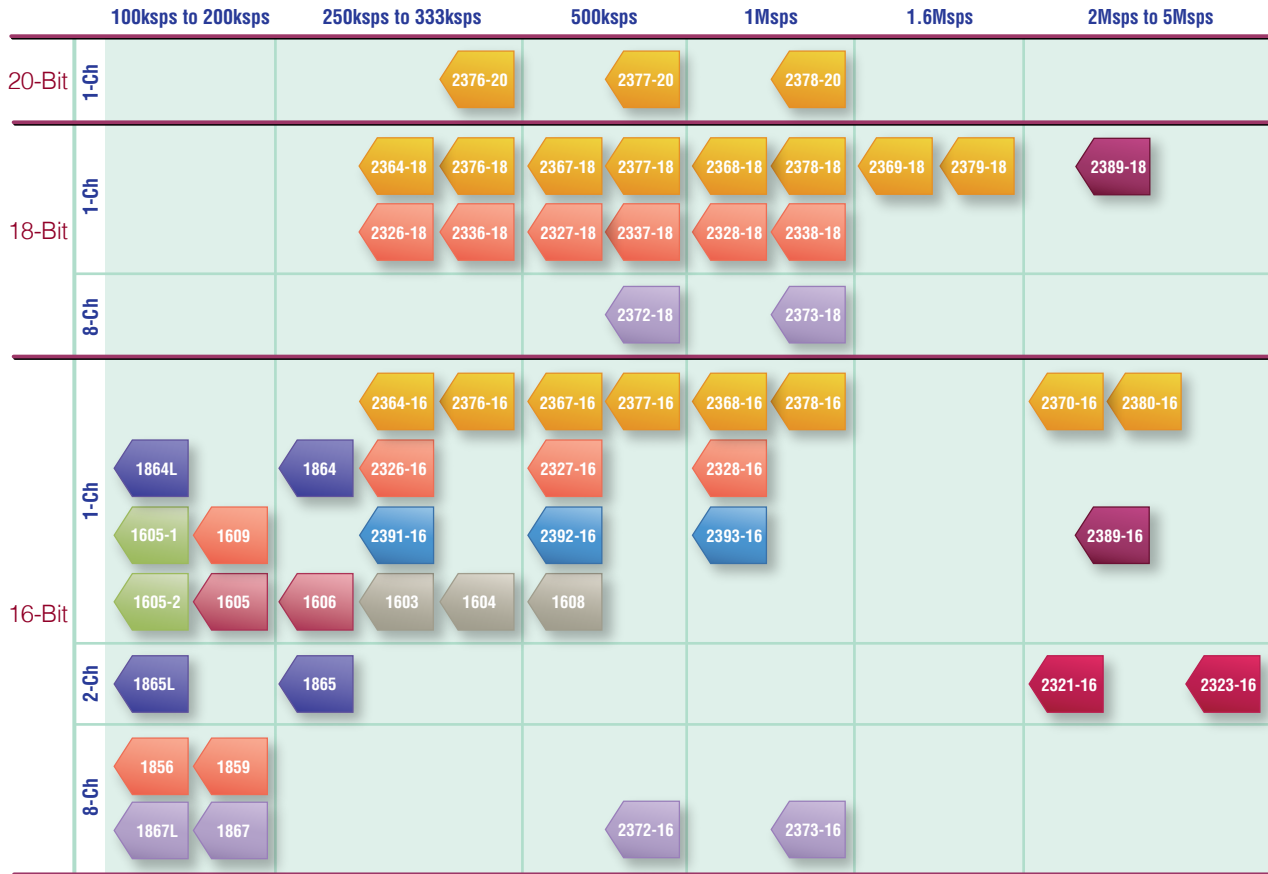
	2.5MSPS	SNR	Power Consumption	Packages
18-Bit		100dB	162.5mW	48-Pin 7mm x 7mm LQFP and QFN
16-Bit		96dB	162.5mW	







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High Precision SAR ADCs



16-Bit to 20-Bit Resolution, 100ksps Up to 5Msps



Serial

-  Pseudo- or Fully Differential Pin-Compatible ADCs
-  ±10V True Bipolar Inputs
-  3V/5V Supply μ Power ADCs
-  3.3V/5V Supply Simultaneous

Serial/Parallel

-  Pseudo- or Fully Differential Pin-Compatible ADCs
-  Fully Differential Pin-Compatible ADCs

Parallel

-  ±10V True Bipolar Inputs
-  0V to 4V, ±4V Unipolar/True Bipolar Inputs
-  ±2.5V True Bipolar Inputs