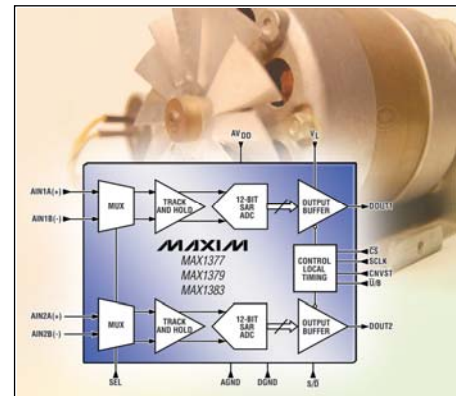


PRESS INFORMATION

- FOR IMMEDIATE RELEASE -

Avnet Memec adds simultaneous-sampling ADCs with SPI Interface to its portfolio

Poing, January 20th, 2009 - Avnet Memec, the highly specialised semiconductor distributor of Avnet Electronics Marketing EMEA, introduces the MAX1377/MAX1379/MAX1383 dual, 12-bit, 1.25MSPS, simultaneous-sampling ADCs from Maxim Integrated Products. Each of the two ADCs features an independent serial peripheral interface (SPI™) for host communication, allowing the fastest clock required on each interface to be reduced to 20MHz while supporting the maximum sampling rate. Alternatively, designers can combine the two data streams to use only a single SPI port if the sampling rate is slower or if the host's SPI interface can operate in excess of 40MHz.



This flexible architecture broadens the choice of host microcontrollers or DSPs. To further enhance flexibility, the inputs can be configured as either four single-ended or two differential channels to allow the same MAX1377/MAX1379/MAX1383 platform to be used for different applications. This configurability reduces inventory requirements and speeds time to market. The MAX1377/MAX1379/MAX1383 are ideal for motor-control, rotary-resolver, and I/Q-sampling applications.

Excellent AC performance (71dB SINAD), guaranteed DC accuracy (± 1.25 LSB INL, max and ± 1 LSB DNL, max), and fast simultaneous sampling make these devices ideal for motor-control, rotary-resolver, and I/Q-sampling applications.

The MAX1377/MAX1379/MAX1383 are fully specified over the -40°C to $+125^{\circ}\text{C}$ automotive temperature range, and are available in a space-saving, 5mm x 5mm, 20-pin TQFN package.

About Avnet Memec

Avnet Memec, an independent business unit of Avnet Electronics Marketing EMEA, is a highly specialised semiconductor distributor, operating on a pan-European basis and employing a significant number of engineers to support customers' design efforts. Avnet Memec specialises in highly innovative suppliers and technologies, which will help a variety of customers to differentiate their designs. Its area of specialisation extends from Analog and Microcontrollers to RF, Datacom and Networking. The business unit operates out of 31 offices in 19 European countries and represents major semiconductor franchises on a pan-European basis. www.avnet-memec.eu

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