Sixteen-bit ADCs Reduce System Space, Component Count

Texas Instruments introduced a family of 16-bit analog-to-digital converters (ADCs) packaged in a leadless QFN measuring 2.0 mm x 1.5 mm x 0.4 mm – 70 percent smaller than the nearest competition, according to the company. The ADS1115 family performs conversions at programmable data rates up to 860 samples per second (SPS), consuming 150 µA (typ.) of supply current and operates down to 2 V. It incorporates an oscillator, low-drift reference, programmable gain amplifier, comparator and four-channel input multiplexer into a tiny package. This family also includes 12-bit versions for increased flexibility, and it supports battery monitoring, portable instrumentation, industrial process control, smart transmitters, medical instrumentation and other industrial and consumer systems.

Texas Instruments
800-477-8924, www.ti.com [1]

Most Popular on ECNmag.com:

- A Bold Claim: Chevy Volt Gets 230 MPG **[2]**
- Murdoch Demands More From Amazon and Kindle **[3]**
- New Process Creates Electricity While Desalinating Water **[4]**
- Court Restricts Microsoft Word Sales in Patent Dispute **[5]**
- Particle Collider: Black Hole or Crucial Machine? **[6]**
- China's Amazing New Bullet Train **[7]**
- Market Grows for Robot Planes **[8]**
- Report: NASA can't keep up with killer asteroids **[9]**
- Filter Design Tools and Wizards **[10]**
- Deadline for U.S. broadband grants, loans extended **[11]**

Source URL (retrieved on *12/09/2013 - 1:00am*):
http://www.ecnmag.com/products/2009/08/sixteen-bit-adcs-reduce-system-space-component-count

Links:
[1] http://www.ti.com/
[2] http://www.ecnmag.com/article-chevy-volt-gets-230-mpg-081109.aspx
[3] http://www.ecnmag.com/blog-Murdoch-Demands-More-From-Amazon-and-Kindle-081009.aspx
[4] http://www.ecnmag.com/news-Electricity-While-Desalinating-081109.aspx
[5] http://www.ecnmag.com/news-Court-Restricts-Microsoft-Word-Sales-081309.aspx
[6] http://www.ecnmag.com/news-particle-collider-081009.aspx
[7] http://www.ecnmag.com/news-chinas-bullet-train-081109.aspx
[8] http://www.ecnmag.com/news-Market-Grows-for-Robot-Planes-081209.aspx
[9] http://www.ecnmag.com/news-Report-NASA-cant-keep-up-with-killer-asteroids-081309.aspx
[10] http://www.ecnmag.com/article-filter-design-tools-081309.aspx
[11] http://www.ecnmag.com/news-Deadline-for-US-broadband-grants-loans-extended-081409.aspx