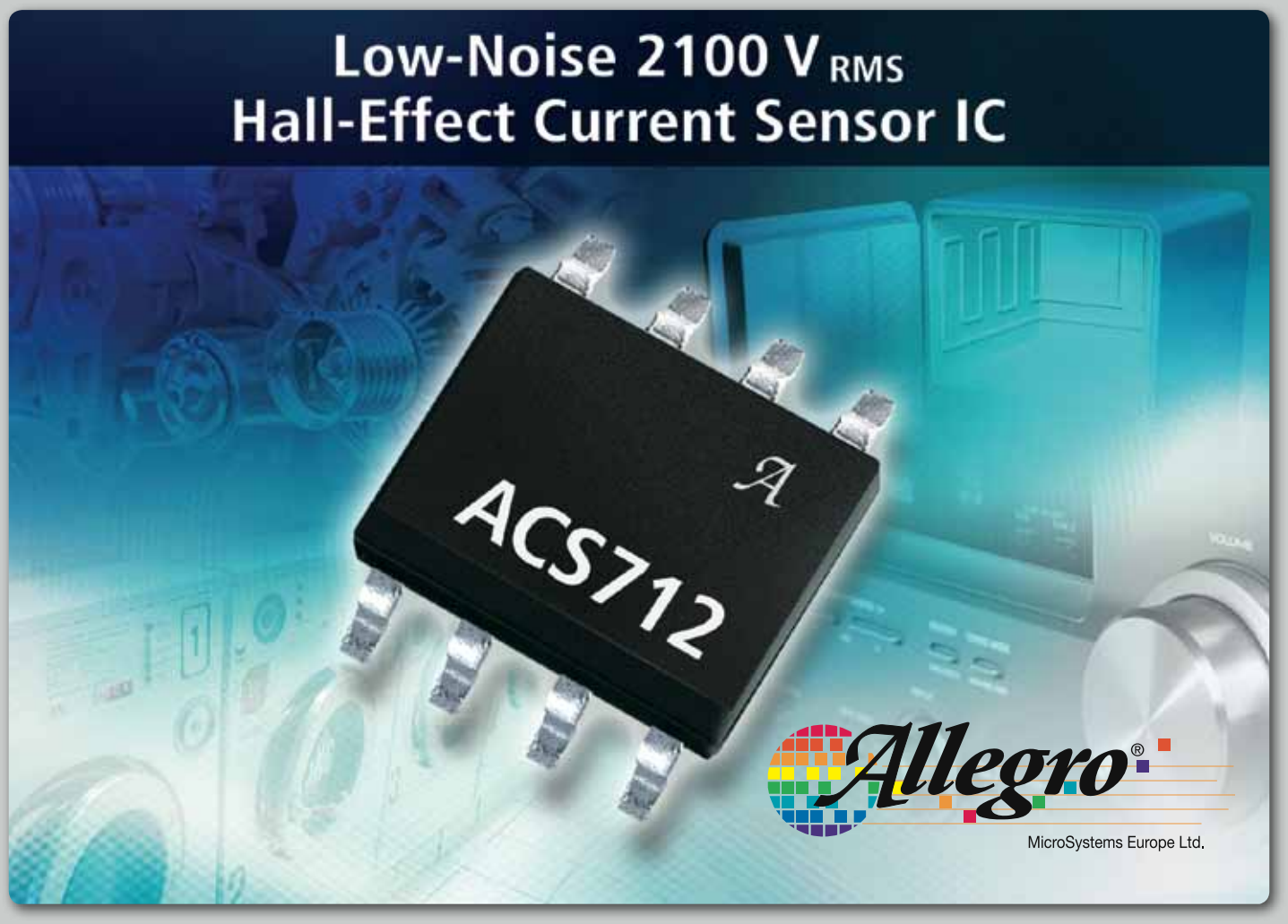
Broadband News No 2-2011



ACS712 from Allegro MicroSystems is a Hall-effect based current sensor IC supplied in a small form factor SOIC-8 package. ACS712 is capable of measuring currents up to 30 A and provides economical and precise solutions for AC or DC current sensing in industrial, commercial, and communications systems. Typical applications include motor control, load detection and management, switched-mode power supplies, and overcurrent fault protection. The device consists of a precise, low-offset, linear Hall sensor circuit with a copper conduction path located near the surface of the die. Applied current flowing through this copper conduction path generates a magnetic field which is sensed by the integrated Hall IC and converted into a proportional voltage.

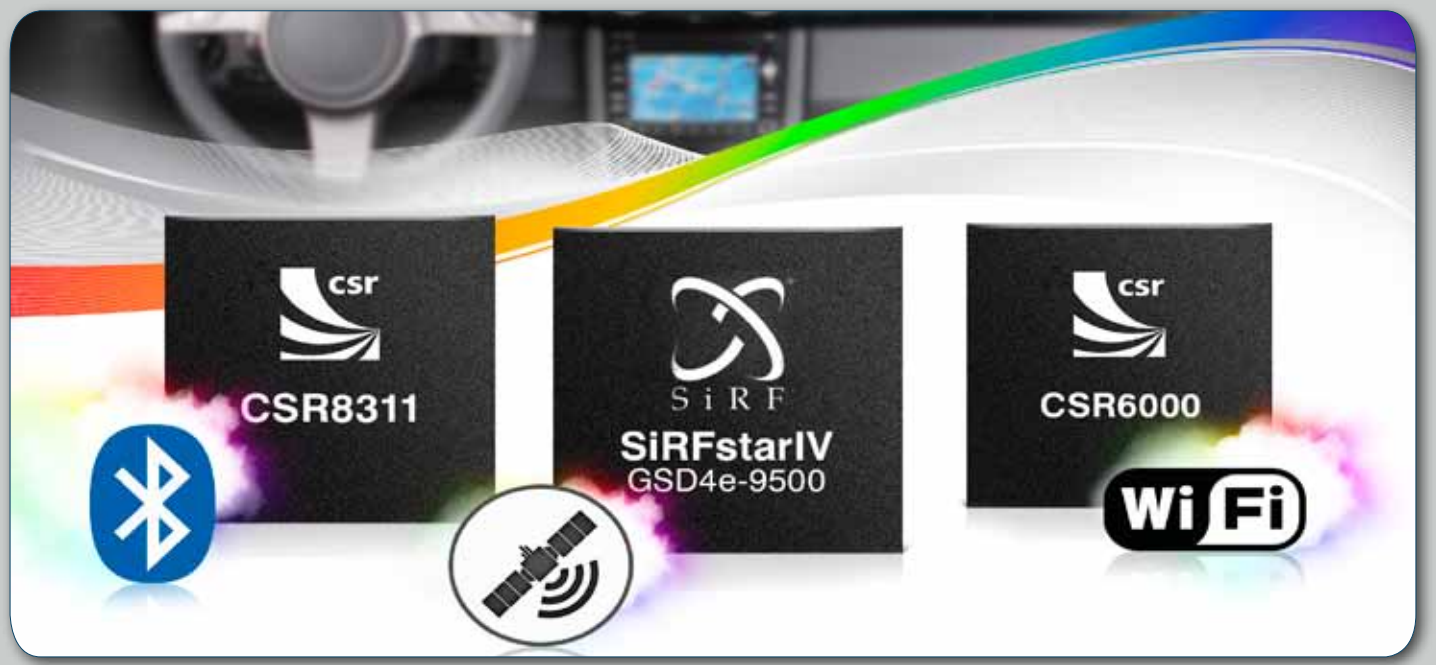
For further information or product samples please contact:
Magnus Gustavsson, mgustavsson@broadband.se

Get ready for Bluetooth Low Energy with CSR

Bluetooth v4.0 is creating new opportunities for developers and manufacturers of Bluetooth enabled devices and applications, bringing to life entirely new markets for devices that must be low-cost and operate with low power wireless connectivity. The CSR1000 µEnergy platform will provide everything required to create a Bluetooth low energy product with RF, baseband, microcontroller, qualified Bluetooth v4.0 stack, and customer application running on a single chip. The time to get familiar with Bluetooth Low Energy and the CSR µEnergy platform is now!

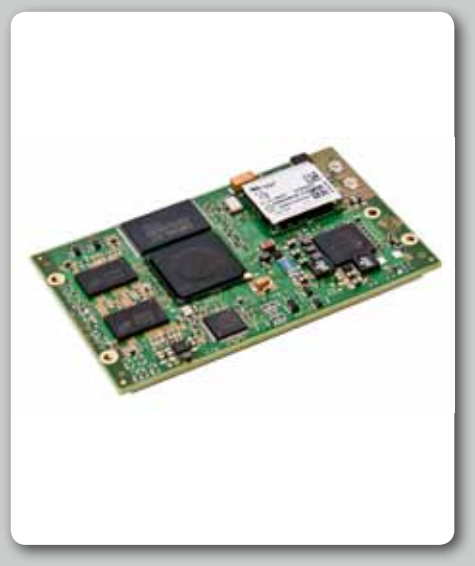
CSR delivers a complete automotive Connectivity and Location platform

The new SiRFstarIV GSD4e GPS engine, together with the CSR8311 Bluetooth and CSR6000 Wi-Fi connectivity devices, provide automotive suppliers and OEMs with a comprehensive, auto-qualified location and connectivity triumvirate of high-performance platform solutions for a variety of in-dash navigation and telematics applications in cars and trucks.



Video broadcast innovation from Mindspeed Technologies

Looking for a 3G low power reclocker for your video broadcast design? Have a look at M21355 from Mindspeed, an innovative and highly integrated quad reclocker. The M21355 is a quad serial digital video reclocker with integrated trace equalization, automatic rate detect circuitry, and a 16:4 crosspoint switch at the input. It operates at SDI data rates ranging from 270Mbps to 2970Mbps and is compliant to SMPTE 424M, SMPTE292M, and SMPTE 259M.
At 270Mbps, it also supports DVB-ASI.

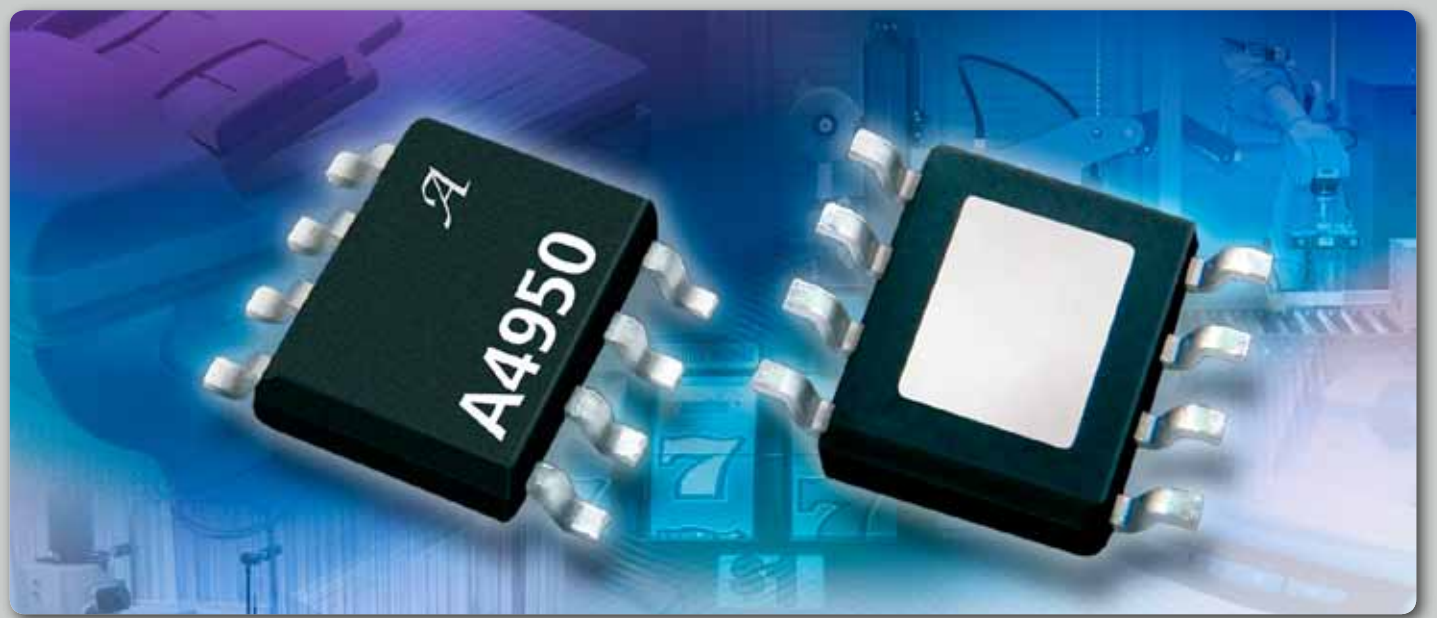


Digi extends ConnectCore i.MX product family

ConnectCore Wi-i.MX53 is a 32-bit module based on Freescales i.MX53 ARM® Cortex™ A8 processor at up to 1 GHz.
The module features dual 10/100 MBit Ethernet options, dual-CAN bus, pre-certified 150 Mbps 802.11a/b/g/n Wi-Fi, and optional Bluetooth 4.0 connectivity with Health Device Profile support. Pre-certification eliminates the need to certify wireless products which can be costly and time consuming. It also offers an integrated power management IC, 1080p/720p video decoding/encoding, 2D/3D hardware acceleration, dual display/camera capabilities, industrial temperature variants, accelerometer and Digi XBee ZigBee connectivity options.

Fully Integrated DMOS Full-Bridge Motor Driver

Allegro MicroSystems introduces a new fully integrated single full-bridge DMOS motor driver IC with over-current protection, internal adjustable pulse-width-modulation, and a fully integrated charge pump. The A4950 is intended for use as a DC brush motor driver with continuous output currents up to 2.5 amperes. Two input terminals are provided for use in controlling the speed and direction of a DC motor with externally applied PWM control signals. The A4950 is targeted at the office automation, industrial and consumer markets. It is provided in an 8L SOICN package with exposed thermal pad for enhanced thermal dissipation.



MachXO2 -The Do-it-All PLD for Low Density Applications

MachXO2 from Lattice provide designers of low density PLDs an unprecedented mix of low cost, low power and high system integration in a single device.
Built on a low power 65-nm process featuring embedded Flash technology, the MachXO2 family delivers a 3X increase in logic density, a 10X increase in embedded memory, more than a 100X reduction in static power to as low as 19uW and up to 30% lower cost compared to the prior generation devices. MachXO2 are ideal for control PLD applications in end markets such as telecom infrastructure, computing, high end industrial, high end medical, and low power applications such as smart phones, GPS devices and digital cameras, accelerometer and Digi XBee ZigBee connectivity options.

Lattice® Semiconductor Corporation

Want to build an Ethernet switch in your Lattice FPGA?

Lattice ECP3 FPGA family support usage of innovative Ethernet Switch IP cores from Flexibilis. The triple speed IP cores operate on Ethernet Layer 2 and can switch with Gigabit forwarding capacity per port. Both Gigabit Fiber optic and Gigabit twisted pair copper Ethernet interfaces are supported. Quality of service is supported with up to four queues per port. These Ethernet switch IP cores are available in a variety of ports and functionality.

Tiny 2.4GHz ceramic chip antenna from Pulse

Are you looking for a small 2.4GHz antenna solutions for your Bluetooth, WiFi or Zigbee design? W3008 from Pulse Electronics is a low profile compact ceramic chip antenna measuring only 3.2 x 1.6 x 1.1 mm. W3008 has an omnidirectionalradiation pattern and is fully SMD compatible.

Suppliers

Allegro MicroSystems Europe Ltd. · forteMedia · Lattice Semiconductor Corporation · Pulse Electronics · CSR · GE · MINDSPEED BUILD IT FIRST · QuickLogic · Digi · SUMMIT MICROELECTRONICS, Inc. · ORTUSTECH · RABBIT · NETLOGIC MICROSYSTEMS · InvenSense