ISSI Introduces Industry First 115C Operating Temperature DRAMs
Targeted for Automotive Advanced Driver Assistance Systems

MILPITAS, Calif., May 22, 2014 (GLOBE NEWSWIRE) -- Integrated Silicon Solution, Inc. (Nasdaq:ISSI), a leader in advanced memory and analog solutions, today announced it has begun sampling production units of DRAMs with the highest operating temperature range available in the industry. These new Automotive A25 Grade DRAM products support the widest operating temperature range of -40C to 115C. This expands ISSI's existing, extensive offering of SDRAMs, mobile, DDR2, Low Power DDR2, and DDR3 DRAMs that operate from -40C to 85C, and -40C to 105C. These automotive grade parts support applications with harsh environments that rely on long-term reliable system operation over wide temperature ranges.

Lyn Zastrow, VP of the Automotive Business Unit at ISSI explained, “ISSI continues to innovate in the automotive product memory space with the first ever series of DRAM products that are fully operational up to 115C. Car companies are demanding more functionality and reliability and ISSI continues to deliver industry leading products that enable the most demanding automotive Advanced Driver Assistance Systems (ADAS), including camera applications and radar systems.”

Often, camera systems are placed in the windshield where they receive direct sunlight, and heat dissipation is difficult. Other processing modules for vehicle back-up systems are often placed in the trunk area. These are some examples where the environment can be a challenge, and the new ISSI products help address these requirements.

The new offering of -40C to 115C (A25 Grade) capable DRAMs includes SDR, Mobile DDR, DDR2, LPDDR2, and DDR3/DDR3L, which have been available with operating temperature ranges of -40C to 85C (A1 Grade), and -40C to 105C (A2 Grade). ISSI Automotive Grade products are qualified to AEC-Q100 standards.

In addition to SDR, DDR2, DDR3 and mobile SDR/DDR, DDR2, SDRAMs, ISSI also offers a complete line of both asynchronous and synchronous SRAM with densities from 64Kb to 72Mb as well as Flash Memory and Analog products. ISSI also has a range of Known Good Die (KGD) memories in its portfolio.

About ISSI

ISSI is a fabless semiconductor company that designs and markets high performance integrated circuits for the following key markets: (i) automotive, (ii) communications, (iii) industrial, medical, and military, and (iv) digital consumer. ISSI’s primary products are high speed and low power SRAM and low and medium density DRAM. ISSI also designs and markets NOR flash products and high performance analog and mixed signal integrated circuits. ISSI is headquartered in Silicon Valley with worldwide offices in Taiwan, Japan, Singapore, China, Europe, Hong Kong, India, and Korea. Visit our website at http://www.issi.com.

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