



News Release

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LATTICE SEMICONDUCTOR AND SYSTEM GENERAL ANNOUNCE PROGRAMMING SUPPORT FOR LATTICE MachXO2 PLD FAMILY

–Collaboration Ensures Programming Support for Production and Programming Labs–

HILLSBORO, OR –MAY 16, 2011–Lattice Semiconductor Corporation (NASDAQ: LSCC) and System General, a leading provider of device programming instruments, today announced that both automated and manual programming systems now fully support the first member of the MachXO2™PLD family, the 1200 LUT LCMXO2-1200. The collaboration between the two companies ensures that customers using System General programming equipment who are entering the production phase of new electronic systems will incur no development delay or additional NRE costs to support MachXO2 PLDs.

Programmer Options for a Variety of Production Environments

System General offers a variety of programming instruments to satisfy a wide range of PLD programming, throughput, performance and environmental requirements. Manual programmers with high speed connectivity via USB provide an affordable and easy to use universal programmer for any Windows PC. Automated programming systems employ multi-

piece concurrent operation and pick-and-place technology to achieve hundreds of Units Per Hour (UPH) throughput.

“System General’s programming instruments provide rapid support and lowcost programming solutions to manufacturers and service providers around the world. By collaborating with System General, Lattice helps ensure customers have mechanical socket adaptors immediately available and that the MachXO2 programming algorithms have achieved certification status,” said Gary Kao, Director, System General, Taiwan Headquarters.

“We are pleased to collaborate with System General to proactively establish programming system support for the MachXO2 PLD family,” said Shakeel Peera, Lattice's Director of Silicon and Solutions Marketing. “As MachXO2 devices are adopted in applications with high-volume production runs, automated programmer availability is an important consideration for OEMs, contract manufacturers and distribution partners. System General’s programming support makes the MachXO2 PLD a low-risk choice throughout the supply chain.”

Pricing and Availability

MachXO2 LCMXO2-1200 devices are available in both commercial and industrial temperature grade options. These devices are offered in a broad range of low-cost package options, including 100-pin TQFP, 144-pin TQFP and 132-pin csBGA. The 256-pin ftBGA and 25-ball WLCSP will be made available during 2011. Pricing for the LCMXO2-1200ZE/HC TQFP100 is \$2.00 in typical production volumes. All device members of the MachXO2 PLD family are expected to be shipping in production by the end of 2011.

System General socket adaptors are available now for 100-pin TQFP, 144-pin TQFP and 132-pin csBGA packages of the MachXO2 family. For pricing and availability of other adaptors for other packages, contact System General.

About the MachXO2 PLD Family

The MachXO2 devices 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 MachXO™ PLD family. These devices 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.

About System General

System General has been manufacturing device programmers since 1985. Headquartered in Taipei, Taiwan, System General has branch offices in the USA, China, and Hsinchu, Taiwan. System General's innovative design, support of high-speed programming techniques and manufacturing programming solutions have contributed to the success of the world's leading electronics and technology companies. System General's competitively priced programming systems and socket adapters are of the highest quality, providing years of service and lowering equipment/manufacturing costs. Software updates are free for the equipment service period. For more details, visit www.sg.com.tw.

About Lattice Semiconductor

Lattice is the source for innovative [FPGA](#), [PLD](#), programmable [Power Management](#) and [Clock Management](#) solutions. For more information, visit www.latticesemi.com. Follow Lattice via [Facebook](#), [RSS](#) and [Twitter](#).

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