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FOR IMMEDIATE RELEASE

**Xilinx Triples Three-Volt Product Offerings;
Announces First CardBus-Compliant FPGA**

*Company boosts three-volt FPGA design options with PCI-Compliant,
High-performance and High-density Devices*

SAN JOSE, Calif., December 18, 1995—Xilinx, Inc., (NASDAQ:XLNX), the world leader in the CMOS programmable logic devices, announced today the industry's first three-volt CardBus-compliant FPGA. Combined with new three-volt high-performance PCI-compliant devices and additional high-density devices, Xilinx triples its three-volt device, speed, and package combinations from 17 to over 50. The new families are the Xilinx XC3100L and the XC4000L families.

The Xilinx XC3100L-2 device is the first FPGA to support both the emerging CardBus PC Card and three-volt PCI Local Bus Specifications. CardBus is the merging of the PCMCIA form factor and the PCI bus electrical standard and is becoming widely accepted for portable and mobile applications that demand both high-performance and three-volt operation.

"CardBus will be the enabling PC Card standard for portable, high-performance computer peripherals," said John McGrath, member of the PCMCIA board of directors and Yenta program manager at Intel. "As an example, the older PC

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Card 16 Interface does not support *full-function* portable video capture cards and 100 Mbit LAN cards. CardBus, however, does provide the full-function capability needed for portable high-performance peripherals.”

Based on 0.6 micron TLM process technology, the XC3100L family operates at up to 85 MHz and reduces system power consumption by over 50 percent when compared to five-volt devices. The XC3100L family is pin-out compatible and bitstream compatible with the XC3000A and XC3100A devices, thereby providing easy migration from five-volt to three-volt versions.

Additional three-volt choices include the XC4000L family, the highest density low-voltage FPGAs available. With gate densities up to 20,000 usable gates the XC4000L family is suitable for replacing low-end gate arrays in more complex, low-power designs. Previously, designers had limited choices for low-voltage devices greater than 10,000 gates. With the introduction of the XC4000L family, along with Select-RAM™ feature, a dual port RAM functionality of the XC4000E family, designers now have the broadest and highest density options, ranging from 5,000 to 20,000 gates. Typical application examples include digital cameras, T1 interfaces, and digital portable radios.

“Until now, three-volt designs were mostly limited to laptops and cellular phone applications,” said Chuck Fox, vice president of product marketing. “Now we see major design activity in the mainstream telecom, datacom, and instrumentation areas. Xilinx’s expansion of its three-volt portfolio addresses this growing market need.”

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Both the XC3100L and the XC4000L families offer the additional benefits of programmable logic devices: reprogrammability and quicker time-to-market. For cost sensitive applications, Xilinx also provides a seamless transition from three-volt FPGAs to three-volt HardWire™ versions.

Software Support

Both the XC3100L and the XC4000L families will be fully supported in the Xilinx XACTstep™ software environment—drawing on new technology from the NeoCAD merger, industry-leading synthesis partnerships, and 11 years of innovative Xilinx engineering. Production software will be available on SUN-Sparc, HP-9000, and IBM workstations and PC platforms running Microsoft Windows 95 and Windows NT operating systems by mid-year 1996. Upgrade paths will be available for XACTstep customers under maintenance contracts.

Price and Availability

The XC3100L and the XC4000L families are sampling now, with volume production expected in first quarter 1996. Devices are available in a variety of packages including PLCC, PQFP, VQFP, TQFP, and BGA.

Device	Logic Gates	Sampling Availability
XC3142L	3,000	Jan. 96
XC3190L	6,000	Now
XC4005L	5,000	Now
XC4010L	10,000	Now
XC4013L	13,000	Now
XC4020L	20,000	2Q96

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Prices for the new devices in the XC3100L family start at \$31 for the XC3142L device in 100-piece quantities. Prices for the XC4000L family start at \$54 for the XC4005L device also in 100-piece quantities.

Founded in 1984, Xilinx is the world's largest supplier of programmable logic solutions comprising industry leading device architectures and world class design software. Headquartered in San Jose, Calif., the company pioneered the market for field programmable gate array (FPGA) semiconductor devices that provide high integration and quick time-to-market for electronic equipment manufacturers in the computer, peripheral, telecommunications, networking, industrial control, instrumentation, and high reliability/military markets.

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