

RECENT IC ANNOUNCEMENTS

PART NUMBER	VENDOR	DESCRIPTION	PRICE/QUANTITY	AVAILABILITY
DSP				
DSP1620	Lucent 800.372.2447	New 80-MIPS DSP doubles on-chip dual-port memory over DSP1611, to 32K×16; with error correction for GSM standard channel coding.	\$70/10,000	Samples—Now Prod.—1Q97
MICROPROCESSOR				
PIC12C508 PIC12C509	Microchip 602.786.7668	Microcontroller has 8-bit internal architecture and fits in an 8-pin DIP or SOIC package; with 512 words program memory, 25 bytes RAM.	\$0.99/50,000	Samples—Now Prod.—3Q96
PIC17C42	Microchip 602.786.7668	Microcontroller has 8-bit core, 8 × 8-bit unsigned multiplier, 4,096 bytes program memory, 232 bytes RAM; in 16-MHz to 33-MHz speeds.	\$7.57/1,000	Prod.—Now
INTERFACE				
CS8904	Crystal 512.912.3441	Four-port 10Base-T Ethernet controller includes on-chip filtering, eliminating need for external filter components; in 100-lead PQFP.	\$14/10,000	Samples—Now Prod.—3Q96
Am79C971	AMD 800.222.9323	Ethernet controller handles 10/100-Mbps packets and recognizes special frame that remotely powers up system, enabling low-power net terminals.	\$19.50/10,000	Prod.—Now
MEMORY				
ST24xx21	SGS-Thomson 617.259.0300	E ² PROMs for plug-and-play monitors conform to VESA 2.0 standard, including DDC1 and DDC2B; 128×8 organization; error correction.	\$1/1,000	Prod.—Now
ST24E64	SGS-Thomson 617.259.0300	Serial E ² PROM has 64-Kbit capacity with 8K×8 organization in 8-lead SOIC package; uses extended I ² C protocol to extend addressing range.	\$2.50/10,000	Prod.—Now
AT29C432	Atmel 408.441.0311	Chip combines 4-Mbit flash memory and 256-Kbit E ² PROM in a single device, enabling simultaneous read and write operations.	\$22/100	Prod.—Now
MISCELLANEOUS				
LXM1592 LXM1593	Linfinity 714.898.8121	Full- and half-bridge LCD backlight inverters for CCFL LCD panels include improved magnetics that reduce size and power requirements.	\$25/1,000	Samples—Now Prod.—3Q96
TLxU	Toshiba 800.879.4963	Low-power LEDs reduce power consumption by 90%, or increase brightness 10× at the same power level; in red, orange, and yellow.	\$0.20/5,000	Prod.—Now
HCS200	Microchip 602.768.7668	Code-hopping encoder uses Keeloq technology to encrypt transmitted data for remote keyless-entry applications; in 8-lead package.	\$0.72/5,000	Prod.—Now
TDA7385	SGS-Thomson 617.259.0300	Audio power amplifier delivers 4 × 22-W RMS output power in a single package; PNP/NPN design allows rail-to-rail swings without extra caps.	\$5.50/10,000	Prod.—Now
PROGRAMMABLE LOGIC				
AT6002LV	Atmel 408.441.0311	FPGA family operates at 3.0–3.6 V with 4,000–20,000 gates and 250-MHz internal shift rates; 1-mm thick package for PCMCIA Type 1.	\$15/1,000	Prod.—Now
ATF22V10BQL	Atmel 408.441.0311	Programmable logic device offers very low power consumption, with 10-mA standby and 50-mA (maximum) active current at 15 MHz.	\$3.53/100	Prod.—Now
SYSTEM LOGIC				
Am78C200	AMD 800.222.9323	InterWave LC audio processor reduces cost of existing 78C201 device by eliminating DSP and memory expansion and special effects; in PQFP-160.	\$19.50/10,000	Prod.—Now
OTI-64217	Oak 408.737.0888	Eon 64-bit graphics controller for PCs includes 2D and 3D acceleration, EDO/SDRAM interface, and compatibility with Microsoft's DirectX drivers.	\$19/10,000	Samples—Now Prod.—3Q96