Recent IC Announcements

Part Number	Vendor	Description	Price/Quantity	Availability
Embedded Microprocessors				
AT89C51-24	Atmel 408.441.0311	High-speed addition to 8-bit microcontroller family is pin compatible with 80C51, contains 4 Kbytes of flash EEPROM, runs at 24 MHz.	$17/1,000	Prod.—Now
MDSP2020 MDSP2040	IBM 800.426.0181	Family of Mwave DSP processors includes 20K RAM, MIDI interface, emulated UART, ISA bus-master interface, uses 3.3-V power.	$35/1,000 $47/1,000	Prod.—Now
68HC11	Motorola 512.891.3465	Family of twenty-five 8-bit microcontrollers offers extended 3.0–5.5-V operating range. Versions include RAM, ROM, EEPROM, and A/D.	$17.00/1,000 $4.34/10,000	Prod.—Now
VY86C06040	VLSI 602.752.6373	Family of processors based on ARM6 RISC core. Versions for high-speed, low-cost, or low-power applications. Available as VHDL model.	$27/100	Samples—Now Prod.—2Q94
Interface				
CL-PD6729	Cirrus 510.226.2261	PCI-to-PCMCIA bridge allows 5-V and 3.3-V peripherals simultaneously. Controls two PCMCIA ports, has low-power operating mode.	$24/1,000	Samples—Now Prod.—2Q94
LTC1347	Linear Technology 408.432.1900	Low-power RS232C transceiver has three drivers, five receivers, keeps receivers active in shutdown, drawing only 300 µA at 5 V, up to 120 kbps.	$4.70/100	Samples—Now Prod.—2Q94
µPD98401 µPD98402	NEC 800.366.9782	Two-chip set implements ATM transmit, receive, system-logic functions, 32-bit DMA controller, and buffer management for 156-Mbps data rate.	$300/1	Samples—2Q94 Prod.—4Q94
Am29F010-90 Am29F040-90	AMD 800.222.9323	1-Mbit and 4-Mbit flash EEPROMs use single-transistor cell design, require only 5 V for programming power, guarantee 100,000 write cycles.	$6.75/100,000 $10.00/100,000	Samples—2Q94
16MSDRAM	IBM 415.325.6236	16-Mbit synchronous DRAM has two banks, supports 100-MHz systems, requires 3.3-V supply. TSOP package.	$135/10,000	Samples—2Q94 Prod.—4Q94
Miscellaneous				
LTC1144	Linear Technology 408.432.1900	Monolithic switched-capacitor voltage converter derives complementary voltages from positive supply. Produces from -2 to -18 V at 20 mA.	$2.50/1,000	Prod.—Now
Peripherals				
68860GX	ATI 905.882.2600	Graphics accelerator achieves 104 million Winmarks. Drawing engine, memory interface, and pixel port are all 64 bits wide.	$35/1,000	Samples—2Q94 Prod.—2Q94
PMB2206	Siemens 800.777.4363	Single chip combines quadrature-phase modulator and double-balanced Gilbert-cell mixer for wireless digital transmission.	$10/1,000	Samples—2Q94 Prod.—2Q94
MPEG2D	Toshiba 800.879.4963	Single-chip decoder meets MPEG-2 standard, can operate on HDTV-resolution (1152 ×1024) images at 30 fps (frames per second).	$38.50/1,000	Samples—2Q94 Prod.—3Q94
X68C64	Xicor 408.432.8888	Supports embedded systems based on 68H11 processors by providing 8K of nonvolatile RAM, allows in-circuit programming.	$6/10,000	Samples—2Q94 Prod.—2Q94
Programmable Logic				
MACHLV210	AMD 800.222.9323	First MACH device to operate at 3.0–3.6 V has 2-mA standby current with predictable 15-ns speed. Device has 1,800 gates, 38 I/Os.	$14.95/1,000	Prod.—Now
System Logic				
HiBRC-MEM	MacroTek GmbH 49.231.9742.151	Memory controller supports PowerPC 601, 603, and 604 at 50 and 66 MHz. Memory bandwidth exceeds 200 Mbytes/s, sustained.	$350/1,000	Prod.—Now