

Recent IC Announcements

Part Number	Vendor	Description	Price/Quantity	Availability
Embedded Microprocessors				
PIC16C54A	Microchip 602.786.7200	New one-time-programmable version of 16C54 built in 0.9-micron, three-metal layer process, operates from 2.5–6 V at speeds to 20 MHz.	\$1.50/100,000	Prod.—Now
TMPN3120	Toshiba 800.879.4963	Controller implements Echelon's Lonworks protocol for distributed, peer-to-peer networking, contains 512 bytes EEPROM, 1K RAM, 10K ROM.	\$5/10,000	Samples—Now Prod.—3Q94
VPS10101-1	VLSI 408.434.7995	"Ruby" processor based on ARM 32-bit RISC core incorporates PCMCIA/ interface, 16C450-type UART, SCC, and PIO. Operates from 2.7–5.5 V.	\$30/10,000	Samples—Now Prod.—3Q94
VY86C06040	VLSI 602.752.6373	New higher-speed version of VY86C06 runs at 40 MHz, achieves 26 MIPS sustained. Based on ARM6 RISC core, available as ASIC megacell.	\$27/100	Samples—Now Prod.—2Q94
Interface				
92C350	NCR 800.334.5454	Full-duplex Ethernet controller integrates PCMCIA interface, 10BASE-T transceiver, and AIU. Packaged in 128-pin TQFP, operates from 5 V.	\$18/1,000	Samples—3Q94 Prod.—4Q94
53C815	NCR 800.334.5454	Cost-reduced version of 53C825 wide SCSI-2 controller interfaces to PCMCIA bus, supports local PROM and big- and little-endian modes.	\$31.20/\$5,000	Samples—Now Prod.—3Q94
RAB2IT-BRAC	NEC 415.965.6159	Memory controller interfaces 64-bit MIPS R4000-type buses to Rambus RDRAM devices, achieves transfer rates to 500 Mbytes/s. 3.3-V power.	\$100/10	Samples—3Q94 Prod.—4Q94
Memories				
MT5LC2568	Micron 208.368.3900	Static RAMs operate at 3.3 V, achieve 20-ns access times. Devices are organized as 32K×8, sold in SOJ package.	\$6.50/1,000	Samples—Now Prod.—2Q94
μPD4216405	NEC 415.965.6000	Synchronous SRAM organized as either 32K×36 or 64K×18, pin-compatible with Micron's SyncBurst, operate at 3.3 V with 5-V tolerant I/Os.	\$80/100	Samples—4Q94 Prod.—1Q95
44S2020A	Samsung 415.965.6000	Synchronous DRAM organized as 2×1M×8, supports clock speeds to 100 MHz, bursts in binary or Intel order. TTL-compatible 3.3-V device.	\$99/100	Samples—Now Prod.—1Q95
SDRAM	TI 800.477.8924	Synchronous DRAM organized as 2M×8, supports clock speeds to 80 MHz, operates at 3.3 V. 400-mil, 44-pin TSOP package.	\$123/100	Prod.—Now
Miscellaneous				
bq2004	Benchmarq 214.407.0011	Fast-charge controller for NiMH batteries uses peak-voltage detection and temperature-slope sensing to control and terminate charging.	\$5.44/1,000	Prod.—Now
ML4876	MicroLinear 408.433.5200	High-efficiency DC–DC converter drives fluorescent backlight lamps in portable devices. Generates variable DC voltage for contrast control.	\$3.65/1,000	Samples—Now Prod.—2Q94
MT8985	Mitel 613.592.2122	Single-chip, nonblocking crossbar switch handles 256×256 digital channels from eight serial inputs to eight serial outputs, data rates to 64 Kbps/s.	\$11.64/1,000	Samples—Now Prod.—3Q94
Peripherals				
300SX	3DLabs 408.436.3455	Coprocessor chip implements complete pixel-processing layer of OpenGL 3-D graphics standard, reaches 2.5 GOPS, incorporates PCI interface.	\$68/1,000	Samples—Now Prod.—3Q94
System Logic				
PTM3V	OPTi 408.980.8178	System-logic chip set for Pentium systems operates on 3.3 V, integrates PCI and ISA interfaces, supports 60/90-MHz and 66/100-MHz designs.	\$68/1,000	Samples—Now Prod.—2Q94
82C88x	Samsung 415.965.6000	Three-chip set integrates system logic for 486 designs, including controllers for cache and DRAM, and VESA bus and AT-bus controllers.	\$14.25/10,000	Prod.—Now