Recent IC Announcements

Part Number	Vendor	Description	Price/Quantity	Availability
DSP				
µPD77017	NEC 415.965.6159	DSP with 16-bit fixed-point processor achieves 33 native MIPS, consumes 3.8 mW/MIPS at 3.0 V. Includes RAM, ROM, interrupt controller.	$35/10,000	Samples—2Q94 Prod.—4Q94
Interface				
MB86964 MB86965B	Fujitsu 408.456.1000	Single-chip Ethernet interface controllers integrate 10BaseT tranceivers, available with ISA or simple host interface, '65B part is full duplex.	$15.25/10,000 $16.65/10,000	Samples—Now Prod.—2Q94
SN74ABT3614	TI 800.477.8924	FIFO configured as $64 \times 36 \times 2$ swaps between big-endian and little-endian formats, features read and write speeds up to 67 MHz.	$29.47/1,000	Prod.—Now
Memory				
µPD4216405	NEC 415.965.6159	DRAM organized as 4M×4 features hyper-page mode that widens data-valid time 5–10 ns without increasing cycle time. Available in 3 V, 5 V.	$80/100	Samples—Now Prod.—3Q94
X25640	Xicor 408.432.8888	EEPROM configured as 8K×8 supports random-byte read-transfer rate of 64.4 Kbytes/s. Serial interface may be clocked at up to 2 MHz.	$3.50/10,000	Samples—Now Prod.—2Q94
Miscellaneous				
T7650	AT&T 800.372.2447	Bidirectional 2×2 crosspoint switch for broadband signals intended as an ATM hub. Each port is 8 bits wide and supports 40 Mbytes/s.	$25/10,000	Prod.—Now
LT1302	Linear 408.432.1900	High-efficiency DC–DC converter can deliver 5 V at 600 mA from a two-cell input supply. Low-loss NPN switch handles in excess of 2 A at 400 kHz.	$3.21/1,000	Samples—Now Prod.—2Q94
L64000	LSI Logic 408.433.7338	Single-chip MPEG-2 decoder incorporates all main profile, main level features, including support for 16:9 screen format.	$105/10,000	Samples—3Q94 Prod.—1Q95
M65700	Mitsubishi 408.730.5900	Single-chip JPEG codec handles 24-bit color 640×480 images at 30 fps, can encode and decode high-resolution color still images.	$300/1	Samples—Now Prod.—1Q94
CXA1781N	Sony 800.288.7669	Infrared data communications controller drives transmitting element at 60 Kbps, employs FSK and FM, operates from 2.6–6.0 V.	$1.50/1,000	Samples—Now Prod.—Now
Peripherals				
87C542 83C542	Phillips 408.991.3552	PC-compatible keyboard controller integrates 80C51 core, ISA interface, Access.bus interface, 4K program memory, and 256 bytes of RAM.	$14/1,500 $4.50/25,000	Samples—2Q94 Prod.—3Q94
Programmable Logic				
EPF8050M	Altera 408.894.7000	PLD with 50,000 usable gates employs four Altera EPF81188s and one Aptix flexible-interconnect die on a 516-pin MCM. Runs at 10–70 MHz.	$39.95/1	Samples—2Q94 Prod.—3Q94
ATF22V10B	Atmel 408.441.0311	Family of flash-based PLDs is electrically erasable version of 22V10-type PAL, available in four speed grades from 7.5 ns to 25 ns.	$3.30/100	Prod.—Now
System Logic				
SC33xx	AMCC 619.450.9333	Family of clock drivers is compatible with 3.3-V I/O levels, uses BiCMOS output-driver cell. Operates at 80 MHz, 10- and 20-output versions.	$7/10,000	Prod.—Now
W42C25	IC Works 408.922.0202	Clock generator with single VCO has three simultaneous outputs, one equal to the input frequency, the others adjustable from 2–120 MHz in 8 steps.	$1.80/1,000	Prod.—Now
RAB[2]IT	NEC 415.965.6159	Two-chip set interfaces 64-bit MIPS R4000-type buses to 486-type 32-bit peripherals. Includes memory controller, second-level cache controller.	$70/10,000	Samples—Now Prod.—4Q94
VL82C591 VL82C592	VLSI 602.752.6373	Chip set bridges Pentium system bus to PCI bus, supports second-level cache with synchronous or asynchronous operation.	$27/100	Samples—Now Prod.—2Q94