Recent IC Announcements

Part Number	Vendor	Description	Price/Quantity	Availability
DSP				
TMS320C203 TMS320C209	TI 800.477.8924	New 16-bit fixed-point DSP chips are first to use inexpensive C2xLP core; with 16-bit timer, synchronous serial port, and UART.	$4.75/100,000	Samples—4Q95 Prod.—1Q96
DSP56005	Motorola 512.891.2030	24-bit fixed-point DSP includes 4,608-word on-chip memory and five-channel pulse-width-modulation (PWM) module; in TQFP-144.	$50.70/1,000	Samples—Now Prod.—3Q95
DSP56002	Motorola 512.891.2030	80-MHz version of 56002 family is 30% faster than previous versions; with 512-word program RAM and two 256-word data RAMs.	$38.20/1,000	Prod.—Now
Interface				
ML6599 ML6518	Micro Linear 408.433.5200	Monolithic SCSI terminators can terminate 9 ('99) or 18 ('18) SCSI signals; can be switched in or out of SCSI bus with power applied.	$1.89/1,000	Samples—Now Prod.—3Q95
LTC1452	Linear Technology 800.454.6327	New 12-bit DAC offers rail-to-rail performance in SO-8 package. Has onboard reference and output buffer and 3-wire serial interface.	$4.65/1,000	Samples—Now Prod.—4Q95
YM7405B	Yamaha 408.467.2300	Basic-rate ISDN interface chip supports layer 1 (physical) and layer 2 (LAP-D) in a single chip. In QFP-80 and TQFP-100 packages.	$25/1	Prod.—Now
Bt8222	Brooktree 800.228.2777	ATM receiver/transmitter chip supports both customer premises (CPE) and switch-interface functions for DS1, E1, DS3, and E3 PLCP.	$94/1,000	Prod.—Now
Memory				
HM5216805TT HM5216405TT	Hitachi 800.285.1601	Synchronous DRAM has 16-Mbit capacity and operates at 100 MHz. Organized as 1M×8×2 ('6805) or 2M×4×2 ('6405).	$60/1,000	Samples—3Q95 Prod.—4Q95
HB526A272F HB526A472F	Hitachi 800.285.1601	Dual in-line memory modules (DIMM) are first SDRAM-based modules, with JEDEC-standard 200-pin layout, in 2M×72 or 4M×72 capacity.	$1,125/1,000	Samples—3Q95 Prod.—1Q96
AT28C040	Atmel 408.441.0311	Single-chip 4-Mbit E^{2}PROM is the largest available, with 150-ns access time and standby current of 300 µA. In 32-pin flatpack or LCC-44.	$1,000/2,000	Prod.—Now
ST24E16 ST24E32	SGS-Thomson 617.259.0300	Serial E^{2}PROM extends conventional 16K size limit with additional addressing byte; compatible with other I²C products; in SO-8 package.	$1.40/10,000	Prod.—Now
Miscellaneous				
YGV612	Yamaha 408.467.2300	Graphics controller has same 3D texture-mapping features as earlier YGV611, but uses less-expensive DRAM buffer instead of VRAM.	$40/10	Samples—Now Prod.—4Q95
L480PC	C-Cube 408.944.6300	MPEG audio and video decoder accepts input from either host bus or CD interface; requires a single 4-Mbit DRAM for buffer space.	$31/100,000	Prod.—Now
AD722	Analog Devices 617.937.1428	Video encoder converts RGB color components to YCrCb (luminance, chrominance, and composite) video signals for NTSC or PAL output.	$3.55/10,000	Prod.—Now
ADXL05	Analog Devices 617.821.4273	Accelerometer resolves changes from ±5g with 0.005-g resolution, with micromachined sensor, demodulator, reference; in TO-100.	$9.95/10,000	Prod.—Now
Programmable Logic				
MACH465	AMD 800.222.9323	In-circuit programmable PLD has 10,000 gates, 256 macrocells, 384 flip-flops, and 128 I/Os. Device is programmable with 5-V logic supply.	$144.81/1,000	Prod.—Now
CY7C338xA	Cypress 408.943.2600	Field-programmable PLDs operate from 3.3-V supplies, with logic density from 1,000 to 8,000 gates. Largest version is also PCI compliant.	$13.50/100	Prod.—Now