RECENT IC ANNOUNCEMENTS

PART NUMBER	VENDOR	DESCRIPTION	PRICE/QUANTITY	AVAILABILITY
DSP				
56011	Motorola 714.557.6884	DSP runs at 81 MHz, is optimized for Dolby AC-3 audio decoding, with 12.5K program ROM, 5.5K data ROM, plus program/data RAM.	$15/100,000	Prod.—Now
DSP1620	Lucent 800.372.2447	Signal processor operates at 120 MIPS, uses 3.3-V supply, and includes 32K×16 of dual-port SRAM; for GSM, TDMA, CDMA, and PDC uses.	$49/10,000	Prod.—Now
MICROPROCESSOR				
PIC16C923 PIC16C924	Microchip 602.786.7668	Family of 8-bit microcontrollers has integrated LCD controllers, on-chip OTP program memory, and five-channel A/D converter ('924).	$7.09/1,000	Prod.—Now
PIC16F84	Microchip 602.786.7668	Microcontrollers include flash memory, operate from single 2.0-V supply including erase and program operations; 10-MHz clock speed.	$3.49/1,000	Prod.—Now
INTERFACE				
VT83C572	VIA 510.683.3300	PCI-to-USB interface controller provides universal USB host-controller interface, legacy PS/2 keyboard and mouse support, and FIFOs.	$10/1	Samples—Now Prod.—4Q96
TNETX3150	TI 800.477.8924	Single-chip network switch handles twelve 10Base-T and three 100Base-T ports; parts may be cascaded to 26 ports. In 352-contact BGA package.	$145/1,000	Prod.—Now
VR4371 VR4372	NEC 800.366.9782	Core-logic chip set for R4300 MIPS processor provides PCI bridge, DRAM control for SIMMs, DMA controller, chip selects, and ISA bus interface.	$40/10,000	Prod.—Now
GT-48002	Galileo 408.451.1400	Multiport 100-Mbps fast Ethernet switch is integrated into single chip, with two full-duplex controllers, memory controller; needs no CAMs.	$72/10,000	Prod.—Now
MEMORY				
24C01SC 24C02SC	Microchip 602.786.7668	Serial E^{2}PROMs have 1K ('01) and 2K ('02) capacity, with bond pads located for convenient smart-card usage; 1 million erase/write cycles.	$0.24/10,000	Prod.—Now
HN29WT800 HN29WB800	Hitachi 800.285.1601	Flash memory chips have 8-Mbit capacity, 3.3-V operating voltage, 1M×8 or 512K×16 organization and upper ('WT) or lower ('WB) boot block.	$16.50/10,000	Samples—Now Prod.—4Q96
HN29W6411	Hitachi 800.285.1601	Serial-access flash memory device has 64-Mbit capacity, 5-µs "seek" time and 5-ns serial access time; in 48-lead TSOP package.	$65/10,000	Samples—Now Prod.—1Q97
MISCELLANEOUS				
DS2172	Dallas Semi 214.450.0448	Bit error-rate tester (BERT) chip generates pseudorandom and user-defined test patterns for telecommunications test equipment; in TQFP-32 package.	$5.30/5,000	Prod.—Now
CS4226	Crystal Semi 512.912.3351	Codec supports Dolby Digital Surround AC-3 and Pro Logic decoding, including A/D and D/A converters and S/PDIF receiver; in TQFP-44.	$32/1,000	Samples—Now Prod.—4Q96
EZ1585D	Semtech	Voltage regulator for Pentium processors offers 1.5% total output regulation, fast transient response, 6-A current limit; in TO-220 package.	$3.20/100	Prod.—Now
ST5090	SGS-Thomson 617.259.0300	Low-voltage codec for digital cellular and cordless phones operates on 3.3 V, draws 21 mW in operation and 0.5 µA in standby; in TQFP-44.	$5.46/10,000	Prod.—Now
PROGRAMMABLE LOGIC				
ATF16V8CZ	Atmel 408.441.0311	PLD has very low standby power consumption of 25 µA and pin delays of 12 or 15 ns; chip is electrically erasable with 20-year data retention.	$3.11/100	Prod.—Now
SYSTEM LOGIC				
ZPSD314R	WSI 510.656.5400	Peripheral IC includes 8-bit microcontroller, 256K EPROM, address, decoder, I/O ports, and interface for Intel, Philips, or Motorola MCUs.	$10.69/5,000	Prod.—Now