

RECENT IC ANNOUNCEMENTS

PART NUMBER	VENDOR	DESCRIPTION	PRICE/QUANTITY	AVAILABILITY
DSP				
DSP56812 DSP56824	Motorola 714.557.6884	Fixed-point DSPs contain 24K ('812) or 32K ('824) of program ROM, 3.5K data RAM; with 70-MHz operating frequency.	\$4.95/100,000	Samples—3Q98 Prod.—4Q98
MICROPROCESSOR				
PIC16C1xx	Microchip 602.786.7668	Family of PIC microcontrollers supports 2M words of program space, 16-bit instruction word, 68 instructions, vectored interrupt, other features.	\$6.80/1,000	Samples—2Q98 Prod.—4Q98
H8/3644F	Hitachi 800.285.1601	Low-cost member of H8/300L family of microcontrollers has 32K flash memory, 10-MHz clock rate, 5-V power supply, and 100-mW power.	\$7/10,000	Prod.—Now
H8/3318	Hitachi 800.285.1601	Microcontroller is part of H8/300 family, with 60K of on-chip ROM, 4K of RAM, two-channel 16-bit timer, watchdog, and A/D converter.	\$14/10,000	Prod.—Now
INTERFACE				
CS8403A CS8404A	Crystal Semi 512.912.3733	Digital audio transmitters are designed to support emerging 96-kHz digital-audio sampling rate; are pin-compatible with previous version.	\$12.30/1,000	Prod.—Now
CS8413 CS8414	Crystal Semi 512.912.3733	Digital audio receivers are designed to support emerging 96-kHz digital-audio sampling rate; are pin-compatible with previous version.	\$14.80/1,000	Prod.—Now
CS4924	Crystal Semi 512.912.3733	Source decoder for Dolby Digital material provides 5.1-channel effect from two speakers; includes 8K on-chip buffer for video synchronization.	\$9.95/100,000	Samples—Now Prod.—2Q98
CS4926	Crystal Semi 512.912.3733	Audio decoder for Dolby Digital and DTS surround includes integrated 24-bit DSP, microcode, data converters; pin-compatible with earlier parts.	\$29.95/1,000	Samples—Now Prod.—2Q98
74LVCH162244 74ALVCH162244	IDT 800.345.7015	High-speed buffers for 3.3-V systems have 3.0-ns (ALVC) or 4.1-ns (LVC) maximum propagation delay.	\$1.45/1,000	Prod.—Now
80220 80221	Seeq 510.226.7400	Ethernet physical-layer (PHY) devices exceed IEEE performance specifications, for 10BASE-T and -TX environments.	\$9/25,000	Prod.—Now
MEMORY				
CY7C1334	Cypress 408.943.2600	Synchronous pipelined SRAM is part of No Bus Latency (NoBL) family, with 133-MHz data rate, 32-bit port, 64K×32-bit organization.	\$13/1,000	Samples—Now Prod.—2Q98
24LC64 24AA64	Microchip 602.786.7668	Serial E ² PROMs have 64K capacity, small 8-lead TSSOP package, operating voltage as low as 1.8 V, and 400-kHz data rate.	\$1.08/1,000	Prod.—Now
MISCELLANEOUS				
ThunderBird 128	VLSI Technology 408.922.5155	Audio accelerator chip for PCI handles 128 channels, with QSound technology, integrated DSP, backward compatibility with DOS.	\$15/10,000	Samples—Now Prod.—2Q98
ISD1506 ISD1520	ISD 408.369.2400	Voice record and playback chips have 6-second ('06) or 20-second ('20) capacity; nonvolatile storage, AGC, integral speaker drivers.	\$0.90/10,000	Prod.—Now
CY227x	Cypress 408.943.2600	Clock generators for PC motherboards using Pentium II, 6x86, or K6 microprocessors contain up to three integrated PLLs.	\$1.95/100,000	Prod.—Now
PROGRAMMABLE LOGIC				
18LV8Z	ICT 408.434.0688	Programmable logic device has Schmitt-trigger inputs, 113 product terms, 12 I/O macro blocks, and I _{CC} of just 6 μA at 3 V.	\$1.56/1,000	Prod.—Now