

RECENT IC ANNOUNCEMENTS

PART NUMBER	VENDOR	DESCRIPTION	PRICE/QUANTITY	AVAILABILITY
DSP				
BDSP9124	Butterfly 360.892.5597	Transform-based digital signal processor is available at 60 MHz, performs 1,024-point complex FFTs in 53 microseconds, with 8–24-bit precision.	\$390/10,000	Prod.—Now
TMS320C82	TI 800.477.8924	New DSP features two DSP cores, microcontroller, FPU, and caches, with 50-MHz clock rate; DRAM interface handles EDO, VRAM, and SDRAMs.	\$82/25,000	Samples—Now Prod.—1Q97
MICROPROCESSOR				
HCS360 HCS509	Microchip 602.786.7668	Tiny microcontrollers act as Keeloq code-hopping encoders or decoders; exceed rolling-code RKE requirements of automobile OEMs; in SOIC-8.	\$0.94/25,000	Prod.—Now
INTERFACE				
KB8527A	Samsung 408.954.7228	Cordless-telephone circuit contains RF amplifier, receiver, compander, and universal PLL to reduce surrounding frequency interference.	\$1.80/100,000	Prod.—Now
PI5L100	Pericom 408.435.0800	Quad two-channel LanSwitch circuit replaces mechanical switches or relays in networking-switching applications; less than -45 dB crosstalk.	\$1.50/5,000	Prod.—Now
μPD98408	NEC 800.366.9782	Physical-layer chip for ATM handles six 25-Mbps ports, suitable for concentrators and switches; supports UTOPIA Level 2; in PQFP-208.	\$66/10,000	Prod.—Now
ML6680	Micro Linear 408.433.5200	Fiber-optic transceiver for token-ring networks converts output from twisted-pair output to fiber-optic waveform at 16 Mbps; in PLCC-28.	\$22.80/1,000	Prod.—Now
VSC7135	Vitesse 805.388.3700	Gigabit-Ethernet transceiver handles clock and data recovery at 1.25 Gbps with 700-mW (typical) power dissipation; in 14-mm QFP package.	\$20/10,000	Samples—Now Prod.—1Q97
MEMORY				
M28C17	SGS-Thomson 617.259.0300	Parallel E ² PROM has 16-Kbit capacity, organized as 2K×8, with software write-protect feature, 90-ns access time, and 40-year data-retention time.	\$2.50/1,000	Prod.—Now
DS1330 DS1350	Dallas Semi 214.450.0448	Nonvolatile module with 32K×8 ('30) or 512K×8 ('50) of SRAM, battery monitor, and CPU-reset circuit; package is compatible with PLCC-68.	\$16.12/1,000	Prod.—Now
MD904 MD910	MoSys 408.321.0770	Multibank MDRAMs have 4-Mbit ('904) and 10-Mbit ('910) capacity, for conveniently sized frame-buffer storage for PCs or add-in boards.	\$10/1,000	Samples—Now Prod.—4Q96
MISCELLANEOUS				
CS7870 CS7875	Crystal 512.912.3736	Two 12-bit analog-to-digital converters use SAR methods, offer 100-kHz throughput, 73-dB signal/noise ratio, and consume 75 mW (typical).	\$14.95/1,000	Prod.—Now
TDA7385	SGS-Thomson 617.259.0300	Audio power amplifier delivers 4×22-W RMS output power (4×33 W by EAIJ standards) in a single package; requires no external capacitors.	\$5.50/10,000	Prod.—Now
LTC144x	Linear Technology 408.432.1900	Quad micropower comparators with on-board reference feature 5-μA quiescent current, 8.5-μA maximum; outputs source 200 μA, sink 20 μA.	\$2.70/1,000	Prod.—Now
PROGRAMMABLE LOGIC				
A32200	Actel 408.739.1010	FPGA has 20,000-gate capacity and uses both antifuses and SRAM cells for configuration; with 2,560 SRAM bits with 5-ns access time; in PQFP-208.	\$225/5,000	Prod.—Now
SYSTEM LOGIC				
EM8000	Sigma Designs 510.770.0100	Single chip integrates MPEG-1 audio and video decoding, X-Y scaling, and plug-and-play ISA bus interface for PCs and add-in boards.	\$41/1,000	Prod.—Now