

RECENT IC ANNOUNCEMENTS

PART NUMBER	VENDOR	DESCRIPTION	PRICE/QUANTITY	AVAILABILITY
MICROPROCESSOR				
PIC16C54B	Microchip 602.786.7668	Microcontroller has 8-bit CPU core, 12-bit instructions, 20-MHz clock rate, 512 words of program memory, and 25 bytes of data RAM.	\$1.42/1,000	Prod.—Now
H8/3644F	Hitachi 800.285.1601	Microcontroller has 8-bit CPU core, 32K of on-chip flash memory, 10-MHz clock rate, 8-bit, 8-channel A/D converter, and UART.	\$3/10,000	Prod.—Now
H8/3318	Hitachi 800.285.1601	Microcontroller has 8-bit CPU core, 60K of ROM, 4K of RAM, clock-pulse generator, two serial channels, and 8-channel, 10-bit A/D converter.	\$14/10,000	Prod.—Now
INTERFACE				
ML651624x	Micro Linear 408.433.5200	Transceivers are compatible with '241, '244, '245, and '444 devices, with 3.0-V to 5.5-V operating voltage and 2-ns propagation delays.	\$2.90/1,000	Prod.—Now
80220 80221	Seeq 510.226.7400	Physical-layer interface chips for 10/100-Mbps Ethernet; bit-error rates are less than 10 ⁻¹² across 140 meters of CAT5 cable; jitter ±0.35 ns.	\$9/25,000	Prod.—Now
MEMORY				
M5M29FB/T160A M5M29FS016A	Mitsubishi 408.774.3189	DINOR flash memories have 16-Mbit capacity and fast, 80-ns access times for execute-in-place applications; single 3.3-V supply for operation.	\$13.50/10,000	Samples—Now Prod.—1Q98
M48T35	SGS-Thomson 617.259.0300	Newest Timekeeper chip is suitable for surface-mount use, with removable, snap-on battery over low-profile RTC with 32K of SRAM.	\$12.50/5,000	Prod.—Now
MISCELLANEOUS				
CS5529	Crystal 512.912.3736	Delta sigma 16-bit A/D converter runs from ±2.5 V or single 5-V supply; fully specific accuracy at all output rates, settles in one conversion cycle.	\$3.80/1,000	Samples—Now Prod.—1Q98
CS5360	Crystal 512.912.3113	Audio A/D converter has 24-bit precision, peak-level-detect feature; pin-compatible with CS5335 20-bit A/D converter, 105-dB dynamic range.	\$7.50/1,000	Samples—Now Prod.—1Q98
CS3490	Crystal 512.912.3113	Stereo D/A converter has 24-bit precision, 106-dB dynamic range, 115-dB signal/noise ratio, and -97 dB THD+N.	\$5.30/1,000	Prod.—Now
CS4925	Crystal 512.912.3733	Multistandard, multichannel audio decoder for Dolby Digital AC-3 and 5.1-channel MPEG-2; in 3.3-V, 0.35-micron process; PLCC-44 package.	\$15/100,000	Samples—Now Prod.—1Q98
STFP2015-50	SGS-Thomson 781.259.0300	Semiconductor fingerprint-identification sensor produces 500-dpi image from touch-sensitive surface in 0.10 second.	\$150/1	Samples—Now Prod.—3Q98
DS75	Dallas Semi 972.371.4448	Thermal watchdog uses two-wire interface, is pin-compatible with LM75; configurable 9-, 10-, 11-, or 12-bit resolution.	\$1.08/25,000	Prod.—Now
PROGRAMMABLE LOGIC				
XC4000XV	Xilinx 408.559.7778	Family of LCAs offers 500,000 system gates, 20,000 logic cells, 100-MHz operation, and 2.5-V/3.3-V internal/external power supply.	\$1,500/100	Prod.—Now
EPF10K100A	Altera 408.544.7000	Programmable device has 100,000 gates, 4,992 logic elements, and 24,576 bits of RAM; 3.3-V operation, 240-lead QFP package.	\$199/100	Samples—Now Prod.—2Q98
SYSTEM LOGIC				
QSpan	Tundra 613.592.0714	Bus bridge chip for Motorola PowerPC 8xx processors to 50 MHz; with PCI interface, separate read/write FIFOs; 3.3-V and 5-V versions.	\$25.20/10,000	Prod.—Now