

RECENT IC ANNOUNCEMENTS

PART NUMBER	VENDOR	DESCRIPTION	PRICE/QUANTITY	AVAILABILITY
MICROPROCESSOR				
IS89C52	ISSI 408.588.0800	Microcontroller has 8051 core with 8K of on-chip flash memory, 40-MHz clock rate, 32 programmable I/O pins, UART, and three timers.	\$4.50/1,000	Prod.—Now
PIC17C752	Microchip 602.786.7668	Microcontroller has 8-bit core, 16K of one-time-programmable code storage, 678 bytes of data RAM, and 12-channel, 10-bit ADC.	\$7.89/10,000	Samples—Now Prod.—3Q98
H8S/2144	Hitachi 800.285.1601	Microcontroller has 16-bit CPU, 128K of flash memory, 20-MHz clock frequency, and single 5-V supply; in 80-lead PQFP package.	\$15.50/25,000	Prod.—Now
INTERFACE				
CS8952	Cirrus Logic 512.912.3086	Ethernet transceiver handles 10/100-Mbps transmissions, operates from a single 5-V supply, and consumes 135 mA in normal operation.	\$8/1,000	Prod.—Now
CSP1152A	Lucent 800.372.2447	Analog-to-digital converter includes dither function for use in wireless base stations; reduces extraneous signals up to 100 dB below max levels.	\$35/50,000	Samples—Now Prod.—4Q98
ST75C530	SGS-Thomson 781.259.0300	Monolithic device for telephones, answering machines, and faxes includes DSP and analog front-end functions for V.17 and V.32bis fax/modem.	\$12/100,000	Prod.—Now
CS5529	Crystal 512.912.3736	Delta-signal analog-to-digital converter uses a single power supply, handles industrial temperature range, and settles in one conversion cycle.	\$3.80/1,000	Prod.—Now
INA121	Burr-Brown 800.548.6132	FET-input instrumentation amplifier has low, 4-pA input-bias current and supply range from 2.3 V to 18 V; in DIP and SO packages.	\$2.35/1,000	Prod.—Now
ADS7843	Burr-Brown 800.548.6132	Single-chip touchscreen controller has 12-bit ADC, consumes 0.6 mW at 75 kHz; SSI/SPI interface and "touch interrupt" alert signal.	\$4.95/1,000	Prod.—Now
MEMORY				
HM5225xx5A	Hitachi 800.285.1601	Synchronous DRAMs have 256-Mbit capacity with standard packaging for easy design of PC-100 DIMMs; in ×4, ×8, and ×16 organization.	\$500/1	Samples—3Q98 Prod.—4Q98
70V9079	IDT 800.345.7015	Synchronous dual-port SRAM has 3.3-V supply voltage, 50-MHz bus interface, and 32K×8 configuration; 5-V version runs at 66 MHz.	\$23.80/10,000	Prod.—Now
HN5x2402	Hitachi 800.285.1601	Serial E ² PROMs have 400-kHz two-wire interfaces, 2-Kbit to 64-Kbit capacity, and wide supply range from 1.8 V to 5.5 V.	\$0.40/10,000	Samples—Now Prod.—3Q98
M40Z111	SGS-Thomson 781.259.0300	Nonvolatile SRAM has snap-on battery over surface-mounted SRAM, which allows reflow soldering of SRAM and later attachment of battery.	\$7.47/1,000	Prod.—Now
MISCELLANEOUS				
SR05	Semtech 805.498.2111	Newest member of RailClamp family of protection diodes arrays comes in small SOT-143 package, with four surge-rated steering diodes for ESD.	\$0.94/1,000	Prod.—Now
CS4912	Crystal 512.912.3559	Digital audio device includes 24-bit DSP, RAM, PLL, digital-audio transmitter port, and CD-quality DAC; in 44-lead PLCC package.	\$7/100,000	Prod.—Now
IMP5241	IMP 408.434.1467	Terminator IC for low-voltage differential (LVD) SCSI buses provides autoselectable differential or single-ended termination.	\$3.56/1,000	Prod.—Now
PROGRAMMABLE LOGIC				
Ultra37032	Cypress 800.858.1810	CPLD is one of a family of Ultra37000 devices with 5-ns propagation delay and in-system reprogrammability; with 32 macrocells.	\$1.25/10,000	Prod.—Now
EPF10K30A	Altera 408.544.7000	High-end PLD has 1,728 logic elements, 12,288 bits of SRAM; suitable for 66-MHz PCI interface or 8-bit, 16-tap FIR filter.	\$15/25,000	Samples—Now Prod.—4Q98