PART NUMBER	VENDOR	DESCRIPTION	PRICE/QUANTITY	AVAILABILITY
DSP				
TMS320C549 TMS320C5410	Texas Instruments 800.477.8924	100-MIPS DSP comes in tiny ball-grid array package measuring 12 mm on a side; with 64K words RAM, buffered serial port, 6-channel DMA.	$25/10,000	Samples—4Q98 Prod.—2Q99
DSP56309	Motorola 512.794.4100	Fixed-point 24-bit DSP has 102 Kbytes of on-chip RAM, which can be divided between X and Y data memory; 3.3-V supply.	$47.60/10,000	Prod.—Now
MICROPROCESSOR				
PIC12CE673	Microchip 602.786.7668	Microcontroller fits in 8-pin package; with $1{,}024 \times 14$-bit OTP program memory, 128 bytes of RAM, A/D converter, 4-MHz clock rate.	$2.04/1,000	Prod.—Now
PIC16CE62x	Microchip 602.786.7668	Microcontrollers have 128 bytes of secure E^2PROM for storing serial numbers, security codes, or calibration values; with 512–2K words RAM.	$1.61/1,000	Prod.—Now
INTERFACE				
CS8952	Cirrus Logic 512.912.3086	Ethernet transceiver for 10/100-Mbps networks includes signal conditioning said to extend effective cable length by 60% for 10Base-T/TX.	$8/1,000	Prod.—Now
S3043 S3044	AMCC 619.535.4260	Two-chip set for SONET/SDH/ATM and dense-wave division multiplexing (DWDM) applications supports 2.4-GHz OC-48 standards.	$312/100	Prod.—Now
ADS7818	Burr Brown 800.548.6132	Sampling 12-bit analog/digital converter comes in small 8-pin DIP; 500-kHz sample rate, 11-mW power dissipation, 2.5-V reference.	$5.60/1,000	Prod.—Now
MEMORY				
25LC640	Microchip 602.786.7668	Serial E^2PROM has 64-Kbit capacity, SPI interface, small 8-lead package, 1.8-V supply, and 5-ms cycle time; also in 4K, 8K, 16K, and 32K capacities.	$0.75/1,000	Prod.—Now
HN58X2402 HN58X2464	Hitachi 800.285.1601	Serial E^2PROMs have two-wire I^2C interface, 400-kHz speed at 1.8 V, 2K ('02) or 64K ('64) density, and 8-lead packages.	$0.40/10,000	Prod.—Now
MISCELLANEOUS				
TR28026CG	TriTech 888.253.8900	Audio codec for notebook computers incorporates baseline AC97 functions; with 16-bit sigma-delta converters, 90-dB SNR, and 3.3-V supply.	$2.25/100,000	Prod.—Now
HL6321G	Hitachi 800.285.1601	Red laser diodes for use in outdoor measurement equipment; 635-nm frequency, 15-mW output, in 9-mm sealed type-G package.	$130/1,000	Samples—Now Prod.—4Q98
TPIC1310 TPIC43T01	Texas Instruments 800.477.8924	Three-phase DC brushless motor-controller chip set comes with E^2PROM; does PLL digitally, using DSP filter algorithm.	$4/1,000	Prod.—Now
PROGRAMMABLE LOGIC				
A42MX09 A42MX16	Actel 408.790.1010	Field-programmable parts have 9,000 ('09) or 16,000 ('16) logic gates and small, 14-mm packaging; clock-to-output speeds up to 5.6 ns.	$6.40/50,000	Prod.—Now
AT17C010	Atmel 408.441.0311	Configuration memory for FPGAs is electrically erasable, compatible with Atmel AT40K, AT6000, Xilinx XC3000, XC4000, XC5000, and Altera chips.	$17/1,000	Prod.—Now
SYSTEM LOGIC				
HD74CDC2510A	Hitachi 800.285.1601	Clock-distribution chip has phase-locked loop (PLL) for reliable distribution of clock signals at 100 MHz for high-speed DIMMs.	$4.50/2,000	Prod.—Now