PART NUMBER	VENDOR	DESCRIPTION	PRICE/QUANTITY	AVAILABILITY
MICROPROCESSOR				
M37640	Mitsubishi 408.730.2026	Microcontroller has 8-bit core and USB interface that supports 12-Mbps interface, control functions, and four data-transfer types; with transceiver.	$10/10,000	Samples—Now Prod.—1Q98
M37532	Mitsubishi 408.730.2026	Microcontroller for low-speed USB peripherals handles 1.5-Mbps data rate; 40-mW (typical) operating power from 5 V; with 10-bit A/D.	$1.65/10,000	Prods.—Now
C540U C541U	Siemens 800.777.4363	Microcontrollers have USB interface, 8-bit CPU core, 4K ('540) or 8K ('541) of ROM; support 12-Mbps and 1.5-Mbps transfer rates.	$3/100,000	Prod.—Now
DSP				
ST18952	SGS-Thomson 617.259.0300	DSP is based on D950 architecture with 16 Kwords data memory, 32 Kwords program memory, DMA, timer, and other peripherals.	$18/10,000	Prod.—Now
INTERFACE				
ML6697	Micro Linear 408.433.5200	Physical-layer (PHY) transceiver for managed or unmanaged repeaters for Fast Ethernet; connects to standard repeater controllers over MII.	$15.75/1,000	Prod.—Now
MEMORY				
µPD481850GF	NEC 408.588.6000	Synchronous graphics RAM (SGRAM) operates at 143 MHz with 16-Mbit capacity; built in 0.35-micron process and uses 3.3-V power supply.	$11/10,000	Prod.—Now
25C040	Microchip 602.786.7668	Serial E^2PROM has serial-peripheral interface (SPI) that runs at 3 MHz; 4-Kbit capacity; good for 10 million erase/write cycles.	$0.71/1,000	Prod.—Now
7072xx	IDT 800.345.7015	Bank-switchable dual-port SRAMs in 32K×16 and 64K×16 capacity, 15- to 25-ns access time, 5-V and 3.3-V operation.	$19.95/10,000	Prod.—Now
MISCELLANEOUS				
YMF724	Yamaha 408.467.2300	Audio chip is AC'97-compliant, with PCI interface, capable of 64 voices at 44.1 kHz; legacy compatibility with OPL3 and Sound Blaster Pro.	$15/10,000	Samples—Now Prod.—1Q98
YMF725	Yamaha 408.467.2300	Codec for YMF724 provides bass/treble control and 18-bit digital-to-analog conversion (DAC); in SQFP-64 package.	$5/10,000	Samples—Now Prod.—1Q98
YMF727	Yamaha 408.467.2300	Dolby support chip handles Dolby Digital, Pro Logic, Virtual, and Virtual Surround, output for six speakers, two-channel down-mixing.	$15/10,000	Samples—Now Prod.—1Q98
TA8045AF	Toshiba 800.879.4963	Precision voltage regulator provides 5 V with both normal and standby-mode operation; 400 µA in standby, 50 mA in normal operation.	$1/2,000	Prod.—Now
MC92100	Motorola 317.571.7017	Chip allows graphical overlays to be displayed on a television, with RGB, composite, and S-Video outputs; with or without Macrovision.	$20/50,000	Prod.—Now
PROGRAMMABLE LOGIC				
VUSB	VAutomation 603.882.2282	Programmable, compliant, and preverified USB microcontroller core design uses embedded CPU; in either VHDL or Verilog.	$90,000 NRE	Prod.—Now
EPC1441	Altera 408.544.7000	Configuration EPROM holds 441 Kbits of configuration data for FLEX 6000 PLDs; can configure devices with up to 30,000 gates.	$3.50/100	Prod.—Now
SYSTEM LOGIC				
69000	C&T 408.434.0600	Graphics accelerator for notebook computers includes 2M of SGRAM; part consumes 350–650 mW (typical) during operation.	$42/10,000	Prod.—Now