PART NUMBER	VENDOR	DESCRIPTION	PRICE/QUANTITY	AVAILABILITY
DSP				
TMS320C5416	Texas Instruments 800.477.8924	DSP runs at 160 MHz with 128K words of SRAM; built in 0.18-micron CMOS; with three multichannel buffered serial ports.	$33.50/10,000	Samples—4Q99 Prod.—3Q00
ADSP-2188M	Analog Devices 800.262.5643	16-bit DSP includes 2 Mbits on-chip SRAM, consumes 0.4 mA/MIPS at 75 MIPS, and comes in a 100-TQFP package.	$24.00/25,000	Samples—2Q99 Prod.—4Q99
ADSP2189M	Analog Devices 800.262.5643	16-bit DSP includes 1.5 Mbits on-chip SRAM, consumes 0.4 mA/MIPS at 75 MIPS, and comes in a 100-TQFP or 144-mBGA package.	$24.00/25,000	Prod.—Now
ADSP-2185M	Analog Devices 800.262.5643	16-bit DSP includes 0.66 Mbits on-chip SRAM, consumes 0.4 mA/MIPS at 75 MIPS, and comes in a 100-TQFP or 144-mBGA package.	$9.50/25,000	Samples—3Q99 Prod.—2Q00
MICROPROCESSOR				
PIC 12CR509A	Microchip 602.786.7668	8-bit ROM microcontroller in an 8-pin package features seven special-function hardware registers, and six I/O pins; consumes <2 mA @ 5 V.	$0.49/50,000	Prod.—Now
ST52x301	STMicroelectronics 781.861.2650	DuaLogic microcontroller includes a 4-channel A/D converter, 8-bit timer, 16-bit programmable prescaler, and 8-bit fuzzy processor.	$3.30/1,000	Samples—Now Prod.—3Q99
M16C/80	Mitsubishi 408.774.3189	16-bit microcontroller features 10-channel, 10-bit A/D converter, I^2C bus, 128K of ROM, 10K of RAM, and 4-channel DMA.	$5.00/10,000	Samples—Now Prod.—3Q99
M16C/20	Mitsubishi 408.774.3189	16-bit microcontroller features 8-channel, 10-bit A/D converter, three 16-bit timers, 32K of ROM, and 1,024K of RAM.	$3.00/10,000	Samples—Now Prod.—3Q99
INTERFACE				
SK70740	Level One 916.855.5000	HDSL2 chip set provides analog front end, transceiver, and FEC/frame; subrates down to 144 Kbps; in 64-pin QFP package.	$60.56/1,000	Prod.—Now
CN8223	Conexant 714.245.7500	ATM physical interface provides 4-port parallel FIFO interface, access to ATM protocol at all levels; transmit/receive function to 155 Mbps.	$40/1,000	Samples—Now Prod.—2Q99
CN9419	Conexant 714.245.7500	Single-chip cable modem supports DOCSIS v1.1; includes 10-bit A/D converter and a 40/56-bit encryption engine.	$45/10,000	Samples—Now Prod.—1Q00
CS61584A	Cirrus Logic 510.249.4244	Dual line-interface unit for T1/E1 lines in PCM/voice-channel data banks and concentrators, T1/E1 multiplexers, digital access cross-connect systems.	$19/1,000	Prod.—Now
MEMORY				
DiskOnChip 2000	M-Systems 510.413.5950	Nonvolatile memory has 144-MByte capacity using flash memory mounted in a standard 32-pin DIP that can be socketed or soldered.	$347/10,000	Prod.—Now
MISCELLANEOUS				
HCS320	Microchip 602.786.7668	Code-hopping encoder for remote keyless entry features 32-bit code-hopping mechanism, E^2PROM data storage; in 8-pin PDIP package.	$1.01/1,000	Prod.—Now
STi5510	STMicroelectronics 781.861.2650	Single-chip STB back-end decoder offers 32-bit ST20 RISC processor, MPEG audio decoder, and MPEG-2@ML video decoder.	$35/1,000	Prod.—2Q99
SYSTEM LOGIC				
DS1814	Dallas Semiconductor 972.371.4371	Micromonitor comes in SOT-23-5 package and offers active-low reset watchdog, pushbutton reset that supplies 140-ms reset-pulse width.	$0.72/1,000	Prod.—Now
PCI2040	Texas Instruments 800.477.8924	PCI-to-DSP bridge offers 3.3-V core logic, 16-bit general-purpose bus; available in a 144-pin TQFP or 12×12-mm BGA package.	$10.00/1,000	Samples—Now Prod.—2Q99