

RECENT IC ANNOUNCEMENTS

PART NUMBER	VENDOR	DESCRIPTION	PRICE/QUANTITY	AVAILABILITY
DSP				
ZR38600	Zoran 408.986.1314	Audio processor for Dolby Digital AC-3 devices has 25% excess CPU performance for extra features; with 16K-words ROM, 9K-words RAM.	\$19/10,000	Samples—Now Prod.—1Q97
CS4923	Crystal 512.912.3733	Dolby Digital AC-3 5.1-channel audio decoder has both serial and parallel control ports for external microcontrollers; S/PDIF or three I2S outputs.	\$14/100,000	Samples—1Q97 Prod.—2Q97
56011	Motorola 714.557.6884	Fixed-point 24-bit DSP runs at 81 MHz, includes IEC 958 DAX, PES, and large memories for Dolby Digital AC-3 audio-decoding algorithm.	\$14/25,000	Prod.—Now
MICROPROCESSOR				
68SEC000	Motorola 512.891.2134	Static version of the 68EC000 runs at 10, 16, and 20 MHz; static core reduces power consumption to 0.5 μ A standby and 15 mA active at 3.3 V.	\$2.95/10,000	Samples—Now Prod.—1Q97
TMPR3903F	Toshiba 800.879.4963	Application-specific version of R3900 MIPS processor runs at 40 MHz; includes four UARTs, 16 I/O pins, two DMA channels, memory control.	\$15/10,000	Prod.—Now
68HC805PV8	Motorola	Microcontroller includes "S3" high-voltage and high-current protection circuitry for automotive uses; includes A/D converter, PWM output.	\$3.50/10,000	Samples—1Q97 Prod.—2Q97
68HC16S2 68HC16Z3	Motorola 512.328.2268	Faster 16-bit microcontrollers run at 20 MHz, include 2K of SRAM ('S2), 8K of ROM ('Z3), system-integration module, and -40–85°C range.	\$6.85/10,000	Prod.—Now
INTERFACE				
ML6694	Micro Linear 408.433.5200	Fast-Ethernet physical-layer transceiver chip eliminates digital circuitry, lowering cost; in PLCC-44 and TQFP-44 packages.	\$19.10/1,000	Prod.—Now
MEMORY				
M5M5V278E M5M5278E	Mitsubishi 408.730.5900	SRAMs have 256-Kbit capacity, organized as 32K \times 8, and 28-pin, corner-mounted V _{CC} and GND connections; 10-ns access time; 3.3 V or 5 V.	\$4.75/1,000	Prod.—Now
HN29WT800 HN29WB800	Hitachi 800.285.1601	Flash memory devices have 8-Mbit capacity, 3.3-V supply, and fast, 80-ns read-access times; with upper ('WT) or lower ('WB) boot block.	\$16.50/10,000	Prod.—Now
24AA32A	Microchip 602.786.7668	Serial E ² PROM has 32-Kbit capacity, 1.8–6.0-V operating range, two-wire I ² C interface, hardware write protect, and low standby current.	\$1.96/1,000	Prod.—Now
MISCELLANEOUS				
TDA9171	Philips 800.447.1500	Economical version of TDA9170 histogram conversion IC for PAL, SECAM, and NTSC video improves perceived picture quality; in DIP-20 package.	\$2.77/100,000	Prod.—Now
SonicVibes	S3 408.980.5400	Integrated audio processor, wavetable music synthesis, and expandable sound palette; with PCI interface; in 160-lead PQFP package.	\$30/10,000	Samples—Now Prod.—1Q97
LX8580	Linfinity 714.877.8121	Low-dropout voltage regulator for Pentium systems has 7-A capacity, 0.8-V maximum dropout, and 2–3-V operating voltage; in 5-lead TO-220.	\$5.70/1,000	Prod.—Now
STV0117A	SGS-Thomson 617.259.0300	Digital encoder chip for PAL and NTSC includes Macrovision 7.0 anticopy process, preventing piracy of DVD material; I ² C control bus; in PLCC-44.	\$5/10,000	Prod.—Now
PROGRAMMABLE LOGIC				
EPF10Kxx-3	Altera	Faster speed grades of Flex 10K logic family support 100-MHz clock rates, 25–40% faster than previous generations.	\$18/10,000	Prod.—Now
SYSTEM LOGIC				
Plato/PX	S3 408.980.5400	Integrated system controller and graphics accelerator relies on shared-memory architecture (SMA) to reduce overall system cost.	\$30/10,000	Samples—Now Prod.—1Q97