

RECENT IC ANNOUNCEMENTS

PART NUMBER	VENDOR	DESCRIPTION	PRICE/QUANTITY	AVAILABILITY
DSP				
56303	Motorola 714.557.6884	Digital signal processor hits 100 MHz in 0.5-micron three-layer-metal process; device has 24-bit precision and 3.3-V supply voltage.	\$32/10,000	Samples—Now Prod.—1Q97
56305	Motorola 714.557.6884	Latest member of 56300 family of 24-bit DSPs is optimized for GSM base stations with filter, Viterbi, and cyclic code coprocessors.	\$75/1	Samples—Now Prod.—1Q97
DPL3520A	ITT Internettal 408.526.2082	Processor for Dolby Pro Logic Surround supports standard channel separations as well as pseudo and panorama modes; in PLCC-68.	\$13/10,000	Prod.—Now
MICROPROCESSOR				
μPD780805	NEC 800.366.9782	Microcontroller has stepper-motor interface for automotive instrument clusters; with 40K of mask ROM or 60K of flash memory.	\$7/25,000	Samples—Now Prod.—1Q97
INTERFACE				
PCI1131	TI 800.477.8924	CardBus controller meets PC 97 guidelines and supports two 32-bit slots, dual voltage, and Zoom Video; in TQFP-208.	\$14.60/150,000	Prod.—Now
78Q2120	TDK 800.624.8999	Ethernet transceiver supports 10/100-Mbps data rates over 10Base-T, 10Base-TX Category 5 wiring; 3.3-V supply; TQFP-80 package.	\$25/500	Prod.—Now
TSB12LV31	TI 800.477.8924	Link-layer chip for IEEE-1394 has 8/16-bit bus interface, supports 100-Mbps data rate, and operates at 3.3 V; in 100-lead PQFP.	\$9.72/1,000	Prod.—Now
MEMORY				
M5M5V64R16	Mitsubishi 408.730.5900	High-speed SRAM has 10-ns access time, center-mounted V _{CC} and ground pins to reduce noise susceptibility; with 64K×16 capacity.	\$17/1,000	Samples—Now Prod.—1Q97
M5M5256D	Mitsubishi 408.730.5900	Low-power SRAM runs on 3.3 V, has 32K×8 capacity, 8-mA active supply current, 0.05-μA standby current, and common I/O pins; in TSOP package.	\$2.50/1,000	Prod.—Now
M5M5208 M5M5512	Mitsubishi 408.730.5900	Low-power SRAMs have 2-Mbit ('08) and 512-Kbit ('12) capacity and access times from 45 to 120 ns. Standby current is 0.3 μA.	\$9.75/1,000	Samples—Now Prod.—2Q97
M5M5V2132	Mitsubishi 408.730.5900	Synchronous pipeline-burst SRAM for L2 caches operates at 133 MHz; part has 2-Mbit capacity, organized as 64K×32; in TQFP-100 package.	\$19/1	Samples—Now Prod.—1Q97
M24128 M24256	SGS-Thomson 617.259.0300	Serial E ² PROMs have large, 128-Kbit ('128) or 256-Kbit ('256) capacity; both run from 1.8-V supply and come in DIP, SO, and SOL packages.	\$5/1,000	Samples—Now Prod.—1Q97
71V508	IDT 800.345.7015	Synchronous SRAM has 1-Mbit capacity and zero bus-turnaround capability to eliminate dead cycles between reads and writes.	\$12/10,000	Prod.—Now
HY57V16XY10	Hyundai 408.232.8000	Synchronous DRAM (SDRAM) has 16-Mbit capacity, 66- to 100-MHz clock rate, and clock-to-data-out time of 8–10 ns; in 44/50-lead TSOP.	\$12.50/1,000	Prod.—Now
MISCELLANEOUS				
STLC7549	SGS-Thomson 617.259.0300	Analog front-end chip for PCs complies with AC '97 specification, with stereo codec, modem codec, switching, and gain; in TQFP-64 package.	\$12/10,000	Samples—Now Prod.—1Q97
bq2091	Benchmarq 972.437.9195	Battery-capacity monitor IC handles NiCd, NiMH, and Li-ion batteries using SMBus (smart battery data) control protocol; in 16-lead SOIC.	\$5.68/10,000	Prod.—Now
bq2058	Benchmarq 972.437.9195	Lithium-ion battery supervisor controls two external FETs in the charge/discharge path for overvoltage, undervoltage, and overcurrent protection.	\$1.91/10,000	Samples—Now Prod.—1Q97