Recent IC Announcements

Part Number	Vendor	Description	Price/Quantity	Availability
Embedded Microprocessors				
PIC16C58A	Microchip 602.786.7200	New version of 8-bit microcontroller contains 2K 12-bit-wide words of OTP ROM, 73 bytes of RAM, counter/timers, 12 I/Os, runs at up to 20 MHZ.	$3.20/1,000	Prod.—Now
Z8182	Zilog 408.370.8246	New 33-MHz version of processor intended for modem control, incorporates Z180 core, ESSC, 24 I/Os, and 16550 MIMIC, connects to PC AT bus.	$14.36/10,000	Prod.—Now
Interface				
CL-CD1283	Cirrus 510.226.2041	Parallel-interface controller performs run-length-encoding data compression and decompression, supports 2 Mbyte/s bidirectional data rate.	$7/1,000	Samples—Now Prod.—2Q94
MC100SX1451	Motorola 602.655.5734	Parallel-to-serial transceiver operates at up to 1.6-Gbps rate, conforms to PEP Autobahn specification for backplane and multidrop use.	$250/1	Samples—3Q94 Prod.—1Q95
VG-469	Vadem 408.943.9301	PCMCIA interface controller handles mixed 5-V and 3.3-V signals, supports v2.1 ExCA extensions and Intel B-step registers in 208-pin TQFP.	$15/10,000	Samples—Now Prod.—3Q94
Memories				
X84041	Xicor 408.432.8888	Serial EEPROM, organized as 512×8, accepts WE, OE, and CE signals for interface to standard parallel processor bus. Housed in 8-pin SOIC.	$1.45/10,000	Prod.—Now
X24645	Xicor 408.432.8888	New larger serial EEPROM organized as 8K×8 is pin-compatible with 16K predecessor, incorporates write-protect blocks, operates down to 1.8 V.	$3.50/10,000	Prod.—Now
TC51V16160	Toshiba 800.879.4963	DRAM organized as 1M×16 operates at 3.3 V, is available in 70-ns and 80-ns speed grades, incorporates 800 µA self-refresh, 0.5 mA standby.	$120/1,000	Samples—2Q94 Prod.—3Q94
Miscellaneous				
EX1086	Sematech 805.498.2111	Linear voltage regulator features maximum dropout of 1.3 V, available with 3.3-V fixed output or adjustable output to 1.25 V max at 7.5 A.	$1.54/100	Prod.—Now
Peripherals				
TSL230	TI 800.477.8924 x4500	Sensor integrates photodiode, op amp, and A/D to convert light intensity to digital value, covers 160 dB in three ranges, draws 5 mW at 3 V.	$2.76/1,000	Prod.—Now
AD1878 AD1879	Analog Devices 617.937.1428	Sigma-delta audio A/D converters with 16- and 18-bit outputs sample at $64 \times F_S$ rate, achieve 103-dB SNR, are packaged in 28-pin CDIP.	$38/1,000 $42/1,000	Samples—Now Prod.—Now
Programmable Logic				
CY7C374	Cypress 408.943.2600	Flash-based FPGA incorporates 128 macrocells and 64 I/Os, is built in 0.65-micron CMOS process, housed in 84-pin PLCC and 100-pin TQFP.	$31.45/100	Prod.—Now
CY7C385A	Cypress 408.943.2600	New member of pASIC380 family has 4,000 gates, 88 I/Os, is built in 0.65-micron CMOS process, housed in 84-pin PLCC and 100-pin TQFP.	$87.70/100	Prod.—Now
EPM7160E	Altera 408.894.7000	Enhanced version of MAX7000-family FPGA features 10-ns pin-to-pin delay, 160 macrocells, 3,200 usable gates in 84- and 160-pin PLCC package.	$14/25,000	Samples—Now Prod.—4Q94
System Logic				
Apollo	Via Technologies 510.683.3300	Chip set for Pentium-based systems provides interfaces to VL, ISA, PCI buses, handles up to 512M of DRAM, up to 2M of SRAM cache.	$48/10,000	Samples—2Q94 Prod.—3Q94
82C950	OPTi 408.980.8178	Integrated bus and peripheral controller for AT&T DSP3207 provides game port, audio and modem codecs, interfaces to DRAM, MIDI, and mixer.	$42/10,000	Samples—Now Prod.—3Q94
1MC8S	IBM 800.426.0181	SRAM organized as 32K×36 achieves 8-ns access time, has single-clock read/write operation, is compatible with LVTTL.	$58/1,000	Samples—3Q94 Prod.—4Q94