

## RECENT IC ANNOUNCEMENTS

PART NUMBER	VENDOR	DESCRIPTION	PRICE/QUANTITY	AVAILABILITY
<b>MICROPROCESSOR</b>				
M32R/D	Mitsubishi 408.774.3189	Combination DRAM and 32-bit CPU has 2-Mbyte capacity, 2K cache, and sixteen 32-bit registers; bus interface is bidirectional; in PQFP-80.	\$80/10,000	Samples—Now Prod.—2Q97
V853	NEC 800.366.9782	Microprocessor includes 128K of flash memory and 4K of RAM; 33-MHz operating frequency delivers 38 Dhrystone MIPS; in TQFP-100 package.	\$50/1	Samples—Now Prod.—4Q96
<b>INTERFACE</b>				
78Q2121	Silicon Systems 800.624.8999	Transceiver for 100BaseTX Fast Ethernet is packaged for CardBus applications; requires isolation transformer, crystal, and passives.	\$19/1,000	Prod.—Now
PS1000	MMC Networks 408.653.1810	Four-chip set for Ethernet switches handles 10/100-Mbps packets, routing, queue management, ATM uplink, and CPU interface.	\$565/10,000	Prod.—Now
21143	Digital 800.332.2717	Low-profile Ethernet controller in TQFP-160 package handles 10BaseTX transmissions; pin-compatible with 100-Mbps 21142.	\$22.70/5,000	Samples—2Q96 Prod.—3Q96
GT-48001	Galileo Technology 408.451.1400	GalNet switching Ethernet controller uses PCI as switch/hub backbone; includes eight Ethernet channels and DRAM controller; in PQFP-208.	\$96/10,000	Samples—2Q96 Prod.—3Q96
PDIUSBP11	Philips 408.991.3500	Transceiver is compatible with USB in 12-Mbps and 1.5-Mbps modes; allows conventional logic to be used for host controller.	\$0.35/10,000	Prod.—Now
<b>MEMORY</b>				
ST16SF42	SGS-Thomson 617.259.0300	Memory device for Smartcard applications includes 16 Kbytes ROM, 386 bytes RAM, and 2 Kbytes of EEPROM; delivered in die format.	\$4/10,000	Samples—Now Prod.—4Q96
AT25040	Atmel 408.441.0311	Serial memory uses serial-peripheral interface (SPI) at up to 2 MHz, with variable operating supply from 1.8 to 5.5 V; 512 × 8 organization.	\$0.85/10,000	Prod.—Now
TCS59S16xxAFT	Toshiba 714.455.2000	Synchronous DRAMs reach 125 MHz with 16-Mbit capacity in ×4, ×8, and ×16 organizations; with optional SSTL small voltage-swing bus.	\$64/1	Samples—Now Prod.—2Q96
<b>MISCELLANEOUS</b>				
ML4900	Micro Linear 408.433.5200	DC-to-DC voltage converter for Pentium Pro systems requires no external components; calibrates output voltage based on four-pin output from CPU.	\$4.92/1,000	Samples—Now Prod.—2Q96
RC5042	Raytheon 415.968.9211	DC-to-DC voltage converter for Pentium Pro systems fits in small, 16-lead SOIC package; integrates 4-bit DAC to monitor supply code from CPU.	\$3.20/10,000	Samples—Now Prod.—2Q96
49C466A	IDT 800.345.7015	Error-detection and -correction (EDC) chip features 64-bit flow-through design with two 64-bit data buses; in PQFP-208 package.	\$75/1,000	Prod.—Now
<b>PROGRAMMABLE LOGIC</b>				
PALCE20V8	Cypress 408.943.2600	GAL uses flash memory to provide programmability and erasability in an installed system; in quarter-size QSOP-24, DIP, PLCC, SOIC packages.	\$0.65/10,000	Prod.—Now