

## RECENT IC ANNOUNCEMENTS

| PART NUMBER               | VENDOR                       | DESCRIPTION   | PRICE/QUANTITY | AVAILABILITY               |
|---------------------------|------------------------------|---|----------------|----------------------------|
| <b>MICROPROCESSOR</b>     |                              |   |                |                            |
| TMP87PP24F                | Toshiba<br>800.879.4963      | Microcontroller comes with built-in voltage booster for LCD drivers, providing 3-V level while operating from a 2.2-V supply.                     | \$7.25/10,000  | Samples—Now<br>Prod.—2Q97  |
| HCS5000                   | Microchip<br>602.786.7668    | Code-hopping decoder for remote keyless entry systems offloads timing and processing functions from host microcontroller.                         | \$1.17/5,000   | Prod.—Now                  |
| <b>INTERFACE</b>          |                              |   |                |                            |
| CS4952<br>CS4953          | Crystal<br>512.442.7555      | Multistandard video encoders include support for Macrovision copy protection, convert YCrCb 4:2:2 to analog and S-video outputs.                  | \$4.60/25,000  | Prod.—Now                  |
| TR88L803<br>TR88L804      | TriTech<br>888.253.8900      | Pen-input processors contain circuitry for resistive digitizers, with 10-bit ADC, resulting in 200-dpi resolution on 3 × 5-inch displays.         | \$3.25/1       | Prod.—Now                  |
| <b>MEMORY</b>             |                              |   |                |                            |
| M5M256D                   | Mitsubishi<br>408.730.5900   | Low-power SRAM uses only 0.3- $\mu$ A standby current from 3.3-V supply; organized as 32K×8; in normal and reverse pinouts.                       | \$2.50/1,000   | Prod.—Now                  |
| <b>MISCELLANEOUS</b>      |                              |   |                |                            |
| ML6401                    | Micro Linear<br>408.433.5200 | Genlock chip produces timing waveforms needed for digital-video applications; outputs can be used to synchronize A/D converters.                  | \$15/1,000     | Samples—Now<br>Prod.—2Q97  |
| M62430FP                  | Mitsubishi<br>408.730.5900   | Multifunction digital sound chip uses SRS Labs' 3D surround technology; with tone and volume controls and CPU interface; in 80-lead PQFP.         | \$8/1          | Prod.—Now                  |
| M62460FP                  | Mitsubishi<br>408.730.5900   | Surround-sound processor uses Dolby Labs' Pro Logic technology, with echo and delay functions, 16K on-chip RAM, and 92-dB range.                  | \$7/10,000     | Prod.—Now                  |
| M65670FP                  | Mitsubishi<br>408.730.5900   | Error-correction chip for set-top boxes has on-chip D/A converter, performs quadrature phase-shift key, Reed-Solomon, Viterbi processing.         | \$18/10,000    | Samples—2Q97<br>Prod.—3Q97 |
| LX8580                    | Linfinity<br>714.372.8357    | Low-dropout voltage regulator is rated for 7 A, generates 2–3-V supplies for microprocessors, and has only 100-mV dropout with second supply.     | \$5.70/1,000   | Prod.—Now                  |
| L9338                     | SGS-Thomson<br>617.259.0300  | Quad low-side driver chip is aimed at automotive and industrial markets; each channel includes DMOS output transistor with 1.5-ohm on resistance. | \$1.70/50,000  | Prod.—Now                  |
| UMA1021M                  | Philips<br>800.447.1500      | Low-voltage RF frequency synthesizer for mobile systems including DECT, GSM, DCS, PCN, and HDS handsets; in 20-lead SSOP package.                 | \$1.65/10,000  | Prod.—Now                  |
| <b>SYSTEM LOGIC</b>       |                              |   |                |                            |
| M513x                     | Acer Labs<br>408.467.7450    | Enhanced super I/O controller has plug-and-play keyboard controller for use with PIIX core-logic chip set with integrated RTC; in PQFP-100.       | \$4.00/10,000  | Prod.—Now                  |
| ZPSD304R                  | WSI<br>510.498.1723          | Programmable peripheral controller consumes 1.8-mA operating, 10- $\mu$ A standby current from 5-V supply; with decoder, EPROM, I/O ports.        | \$13.36/5,000  | Prod.—Now                  |
| <b>PROGRAMMABLE LOGIC</b> |                              |   |                |                            |
| EPF81500A                 | Altera<br>408.894.7000       | One-time programmable logic device has 16,000 equivalent gates, compatibility with smaller devices, and power-reduction support.                  | \$39.50/100    | Prod.—Now                  |
| A32140DX                  | Actel<br>408.739.1010        | Programmable device has 14,000 equivalent gates and comes in 176-lead thin quad flat pack (TQFP) for low-profile applications.                    | \$99/5,000     | Prod.—Now                  |