

Recent IC Announcements

A continuing new products feature

| MANUFACTURER, PART NUMBER | FUNCTION | COMMENTS | R.S. NO. |
|--|-----------------------------------|--|-------------|
| AMI Semiconductors. S3530 | Modem | This single-chip 300-baud, full-duplex, frequency-shift keying modem (a CMOS device) is compatible with the Bell 103/113. Features RS-232-C control interface, runs off of the 3.58-MHz crystal, produces a 4.8-kHz output for UART interface applications, and requires a +5V supply. \$14.50 (100's). | 70 |
| Data Translation. DT5726 | A/D module | Data acquisition module (16-bit) offers 100-kHz sampling rate for four differential analog inputs. Features four channel differential input multiplexer, instrumentation amplifier, sample and hold circuitry, fast A/D converter, and internal timing and control. DT5726 digitizes signals within $\pm 10V$ to a total system accuracy of $\pm .003$ percent of fullscale. \$1595. | 71 |
| Datel. ADC-7109 | A/D converter | Completely self-contained, the ADC-7109 includes a buffer amplifier, integrator, comparator, 12-bit binary counter, and tristate output. Available for operation over 0°C to +70°C, it is packaged in a 40-pin plastic DIP. \$11.24 (100's). | 72 |
| Eipac Components. Type-E12 | Film capacitors | Available in a capacitance range of .047 μF to .22 μF with capacitance tolerances of ± 5 percent, ± 10 percent, and ± 20 percent, these across-the-line E12's feature an operating range of -40°C +85°C without voltage derating; a rated voltage of 125 Vac; and a dissipation factor not exceeding one percent when measured at 25°C and 1000 Hz. Prices not stated. | 73 |
| General Micro Systems. GMS 6520 | A/D converter | Data acquisition module provides 12-bit A/D conversion of up to 64 input channels and requires a single +5V supply. Full scale inputs may be 0-5V, 0-10V, $\pm 5V$, $\pm 10V$, $\pm 2.5V$, or $\pm 10.24V$ or $\pm 5.12V$. \$680/module. | 74 |
| Harris Semiconductor. 80C88 | Micro- processor | Static CMOS 8/16-bit microprocessor operates from DC to 5 MHz and requires less than 10 mA/MHz while operating and less than 500 μA in standby-mode (both over the full temperature range). Available in commercial, industrial, and military temperature ranges. Prices start at \$42.91 (100's). | 75 |
| Mostek. MK68000 DIP | Micro- processor | DIP version offers 16/32-bit microprocessor with a 16M-byte direct-addressing range. Additional features include 14 addressing modes, 56 instruction types, and memory-mapped I/O. Available in 4-MHz, 6-MHz, and 8-MHz speeds; \$27 for the 8-MHz version (1000's). | 76 |
| Motorola. $\mu A78S40$ | Switching regulator circuit | Universal switching regulator circuit offers output that is adjustable from 1.25V to 40V with 80-dB line and load regulation. Operates over 2.5 to 40V and typically draws only 1.8 mA of quiescent current. Prices start at \$2.10 (100's). | 77 |
| Nonlinear systems. XC-4 | LED event counter | Digital event counter requires only .75W of power; the XC-4 counts contact closures at rates of 0 to 50 events per second and can be modified to count sine waves, rectangular waves, or pulses, with amplitudes of +3 to +15V at rates to 1,000,000 cycles per second. \$38.75. | 78 |
| Schnedler. 641F22 | Adapter board | VIA I/O chip interface adapter board for the Commodore 64 includes two 6522's, with a total of four 8-bit bidirectional I/O ports, eight handshake lines, and four 16-bit timer/counters. \$169; additional boards available for \$149. | 79 |
| SGS. TDA8170 | Power booster | Circuit for direct driving of vertical windings of TV yokes offers vertical deflection output in TV and monitor applications and provides efficient power amplification. \$2.36 (1000's). | 80 |
| Silicon Systems. SS1223 | Modem | FSK modem IC employs CCITT V.23 signalling frequencies and operates at 1200 baud. \$10.00 (OEMs). | 81 |
| Texas Instruments. ALS632 series | Parallel EDAC circuit | Stand alone, 32-bit parallel error detection and correction circuit directly drives buses and offers standard single-chip EDAC solutions for both 32-bit parallel and byte-oriented memory systems. \$79.42 (1000's). | 82 |

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