ICS & SEMICONDUCTORS

Decoder/driver IC has counter and latch

Texas Instruments, Inc., 13500 N. Central Expway., Dallas Tex. Phone: (214) 238-2011. P&A: $3.65 (100 quantities); 6 to 8 wks.

A new MSI/TTL function in a 16-pin DIP replaces three popular MSI functions. The SN74142 consists of a decade counter, a 4-bit latch and a 1-of-10 decoder/decimal display tube driver on a single monolithic chip. Functionally, the SN74142 will accept input count frequencies of up to 25 MHz, convert and store as four BCD bits, then decode and provide an output designed specifically to drive Nixie display tubes.

CIRCLE NO. 350

64-bit bipolar RAM drains but 35 mA

Advanced Micro Devices, Inc., 901 Thompson Pl., Sunnyvale, Calif. Phone: (408) 732-2400. P&A: $12.80 (100 quantities); stock.

The Am31L01 64-bit bipolar RAM features current drain of only 35 mA and an access time of 70 ns. This Schottky-diode memory, organized as 16 words by 4 bits, is suited for scratch-pad and high-speed buffer memory applications. Available in military and commercial temperature ranges, it is designed with a special guard ring around the Schottky device to obtain high breakdown voltages at the output pins.
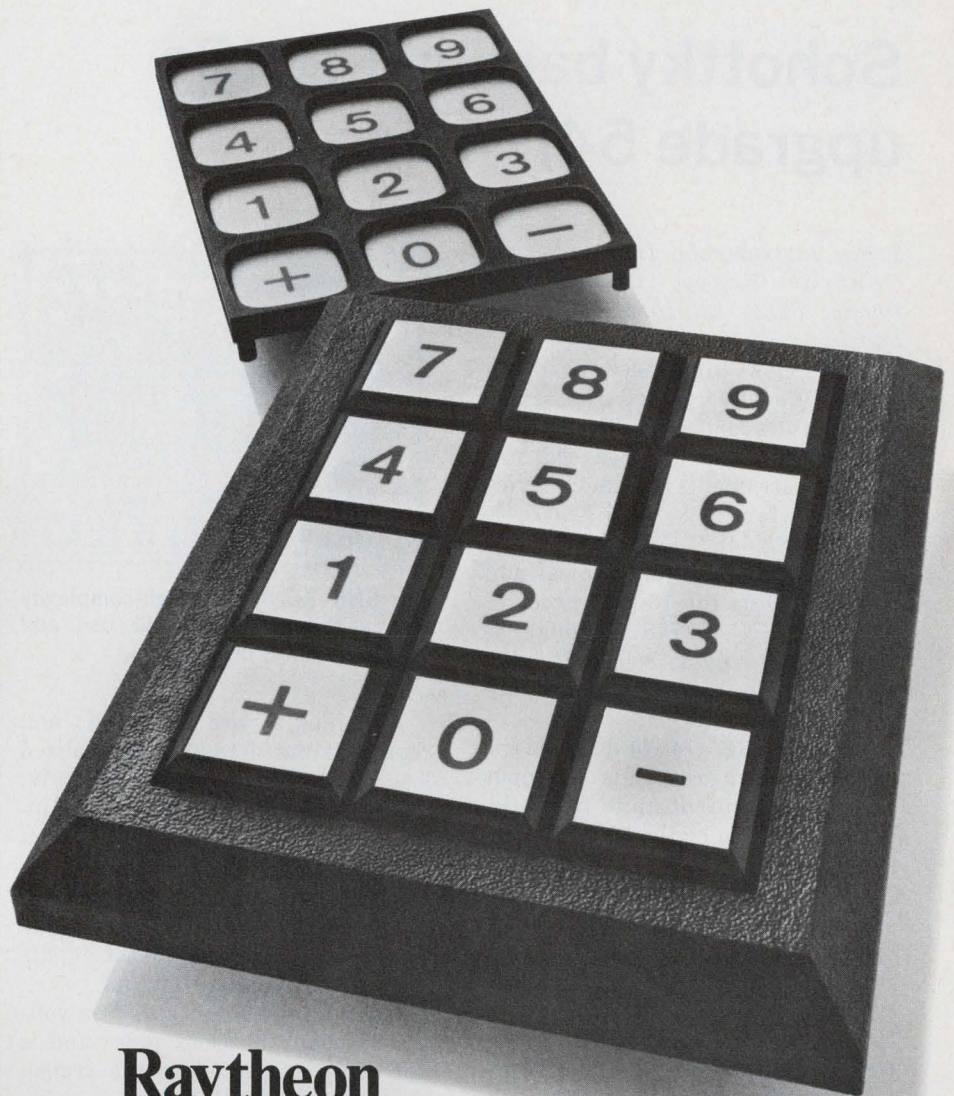
CIRCLE NO. 351

10-bit shift registers transmit parallel data

Signetics, 811 E. Arques Ave., Sunnyvale, Calif. Phone: (408) 739-7700. P&A: $3.34 (100 quantities); stock.

Two new MSI 10-bit shift register ICs are the 8274 10-bit parallel-in serial-out unit and 8273 serial-in, parallel-out version. The two can operate together. The 8274 converts data from a computer's parallel form to a serial form that permits transmission to the 8273, which changes the data back into parallel form for further handling.

CIRCLE NO. 352