

4003

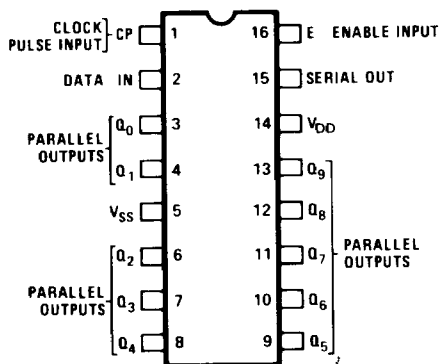
10-BIT SHIFT REGISTER/OUTPUT EXPANDER

- 10 Bit Serial-In/Parallel Out
- Serial-Out Capability for Additional I/O Expansion
- 16 Pin Dual-In-Line Package
- Easy Expansion of I/O Output Capability
- Enable Output Control
- Standard Operating Temperature Range of 0° to 70° C

The 4003 is a 10 bit serial-in, parallel-out, serial-out shift register with enable logic. The 4003 is used to expand the number of ROM and RAM I/O ports to communicate with peripheral devices such as keyboards, printers, displays, readers, teletypewriters, etc.

The 4003 is a single phase static shift register; however, the clock pulse (CP) maximum width is limited to 10msec. Data-in and CP can be simultaneous. To avoid race conditions, CP is internally delayed.

PIN CONFIGURATION



BLOCK DIAGRAM

