

# 64k/256k Memory Board

## MEMORY DEVICES

May use any of the following:

- 4116 (200nS 16k × 1 bit dynamic memories.)
- 4516 (200nS +5V only 16k × 1 bit dynamic memories.)
- 4164 (200nS +5V only 64k × 1 bit dynamic memories.)

## SPEED

Guaranteed to operate at 4MHz with no wait states. (Will operate at 6MHz with one wait state.)

## MEMORY SIZE

16k to 256k bytes.

## MEMORY MANAGEMENT

The memory management circuit allows the memory board to be divided into as many as 16 banks with the following features:

- Each bank is made up of 4k byte segments that can be individually enabled or disabled.
- The size of each bank can be varied in increments of 4k bytes.
- Each bank can be located on any 4k boundary.
- There are on-board jumpers that select which banks are enabled or disabled during system RESET.
- The PHANTOM signal disables output of data from the memory board.

These features provide the flexibility to duplicate popular bank select methods (Cromemco/Alpha Micro and Northstar for example) and yet allow custom partitioning for special applications to minimize memory waste.

## CPU SELECTION

Through the use of jumpers the memory board timing can be adjusted to allow operation with a wide range of 8080, Z-80, 8085, or Alpha Micro processors.

## EXTENDED WAIT STATES

Upon system RESET, or if there has not been a memory cycle within the required time, the memory board is disabled and on-board refresh is initiated.

## WARRANTY

64k/256k Memory Board is warranted against defects in materials and workmanship for a period of one year from date of shipment. For the exact terms of the warranty, please consult the user's manual.

Specifications are subject to change without notice.

## TELETEK

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