

## PC2 CARTRIDGE BOARD

### INSTRUCTIONS

The PC2 Cartridge Board accepts 2732, 2764 and other pin-compatible EPROMs and PROMs. The board has space for two chips, which allows up to 16K of memory on the board. Chips must be inserted in the board with the notch (pin #1) towards the top of the board, away from the computer when the cartridge is in use. For 24-pin chips (2732s, etc.), the chip is inserted in the lower holes, leaving two holes open on each side at the top (see the diagram below). Also, you must be careful to mount the chips on the correct side of the board. Chips must be mounted on the side labelled "component side". Sockets should be installed on the board if you will be inserting and removing chips often.

Depending on the particular memory configuration desired, you must cut or connect certain lines on the PC2 board. Find jumper pad B on the board. If the line connecting the two halves of jumper pad B is CUT, only the right socket will be active. This allows up to 8K on the board, starting at memory address \$8000. If the two halves of jumper B are CONNECTED, both sockets will be active, allowing up to 16K on the board. The chip in the right socket will start at \$8000, and the left will start at \$A000 (replacing the BASIC ROM). The board is supplied in this configuration. To set up the PC2 as an ULTIMAX cartridge, break the line between the right half of jumper B and pin #9 on the cartridge connector (see diagram). The two halves of jumper B must be CONNECTED. The chip in the left socket will appear in memory at \$E000, replacing the KERNAL ROM. The right socket will appear at \$8000 if used. Other jumpers are provided on the board for more advanced uses. See the PROGRAMMERS REFERENCE GUIDE p. 260-267 for more details on memory configurations.

When cutting a line on the board, use a sharp instrument and cut completely through the line. Be very careful not to slip and damage any other lines. Lines that have been cut may be reconnected with a drop of solder.

#### NOTE:

Sockets and chips must be installed on this side of the board.

