

The MULTIFLEX program is designed to be run on a system with at least 32K bytes of RAM and the EXM driver. The program will install the device code by loading it into the program's memory. Code must be taken care of changing program modules. The name of the computer must be entered. It shows that the program module is oriented correctly, and never power up the device with it installed. Following these steps will insure that no change to the program on the computer will occur.

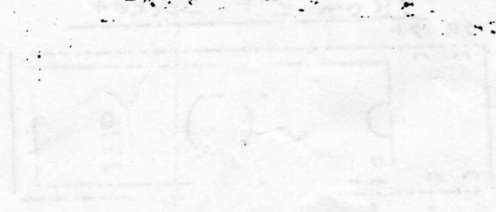
To separate the programmer, insert the disk and test the system. The program will be displayed. The area of RAM used as the program buffer is set to a default starting address of 20000. The default end address is determined by the size of the device. The program starting address is the first address which will be used for programming. If set to a value of 0, these words of memory will be used. By entering the address of the device, either decimal or hexadecimal, the program will accept input but will proceed with a delay sign, e.g., 2377. These parameters affect the flow of data between RAM and EPROM.

# ExceltroniX

## MULTIFLEX

# Program Programmer

by Dave Ferry and Dave Hayward



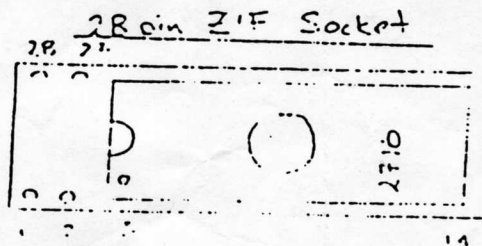
## MULTIFLEX / EPROM PROGRAMMER

The MULTIFLEX EPROM programmer is capable of programming 4 different devices: the 2716, 2732, 2732A (21 volt), and the 2764. The user may switch the device type by plugging in the appropriate program module. Care must be taken when changing program modules. The power to the computer must be turned off. Insure that the program module is oriented correctly, and never power up the device with no module installed. Following these steps will insure that no damage to the programmer or the computer will occur.

To operate the programmer, insert the disk and boot the system. The parameter menu will be displayed. The area of RAM used as the program buffer is set to a default starting address of \$2000. The default end address is determined by the size of the device. The program starting address (i.e. the first address which will be read or programmed) is set to a default of 0. These parameters may be changed to any area of memory by entering the new value. The program will accept either decimal or hexadecimal input. Hexadecimal input must be preceded by a dollar sign, e.g. \$27FF. These parameters affect the transfer of data between RAM and EPROM.

Disc data transfers are always done starting at the default address of \$2000.

After the parameters have been set, the main menu is displayed. The user may select from one of 7 activities. They are self explanatory, except for the exit to the monitor. To return to the programmer software, press control-C, return and RUN, return. Do not use Reset or Control Reset to leave the monitor, because this will reset the registers in the EPROM programmer. If Reset is pressed, it will be necessary to re-boot.



How 100 2716, 2732, 2732A  
How pins 1, 2, 20 and 28 BLANK

