



# JASON-RANHEIM COMPANY

## PROMENADE C1

### PROGRAMMING THE 27512

The 27512 is a 64k byte, UV eraseable EPROM. The sixteenth address bit is brought out on pin 1. The PROMENADE C1 cannot control the signal level on this pin the same way as an ordinary address bit. It can use this pin in special ways for mode selection for EEPROM's.

During programming, pin 1 is normally held close to  $V_{cc}$  by a pull-up resistor. Pin 1 can be brought low by an external ground wire, thereby giving access to the lower 32k EPROM addresses.

To program the 27512 use PROMOS 1.1 or a later revision of the operating software. The CONTROL WORD for the 27512 is 226. Use only intelligent programming - either PMW 6 or PMW 10.

Connect a short length of hook-up wire (22 gauge stranded is recommended) to ground by loosening one of the PROMENADE cover screws, wrapping the bare end of the wire around the screw and retightening. When you are ready to program the bottom 32k of the 27512, insert the EPROM into the ZIF socket, insert the free end of the grounding wire into the ZIF along with Pin 1 and close the socket.

#### Programming Example:

Memory locations \$1000 through \$8FFF are assumed to contain the data to be programmed into the bottom half of the 27512:

```
 $\pi$  4096,36863,0,226,6 <CR>
```

Programming will take about 45 seconds.

Now load these same locations with the data to be programmed into the top half of the 27512. Remove the pin 1 grounding wire. Execute the same  $\pi$  command as before. Programming is complete.

Reading the bottom half of the 27512 using the  $\&$  command will require the use of the ground wire as in the  $\pi$  command. Ground pin 1 to access the lower 32k bytes.