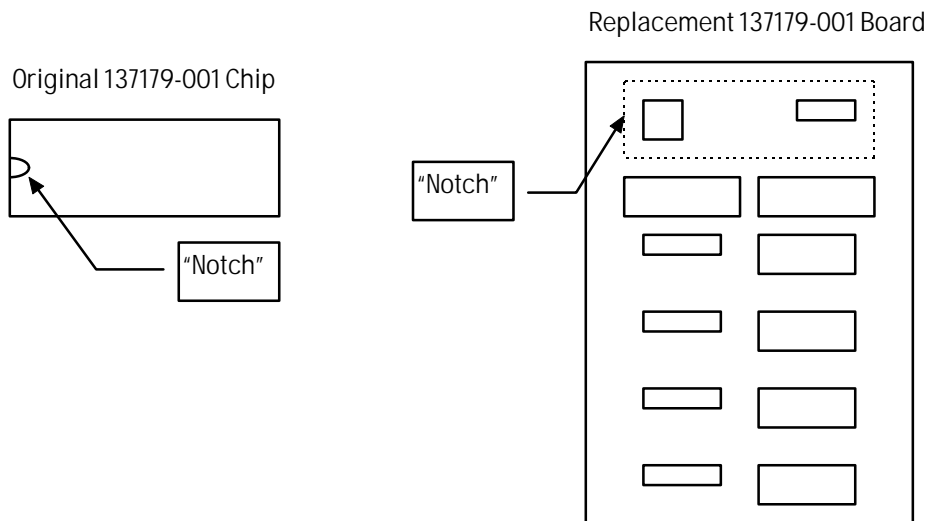


# Installation Instructions for Replacement Atari "AVG" (137179-001) Chips



1. Note the location of the "notch" at the end of the original 137179-001 chip on the game board.
2. Remove the damaged or defective 137179-001 chip from the game board.
3. Place a good quality dual-wipe 40 pin socket in the existing 40 pin socket that the 137179 was installed in. (For maximum reliability the original socket can be desoldered from the game board and the dual-wipe 40 pin socket soldered into place.)
4. Locate the "notch" printed on the replacement daughtercard. It is close to the square chip in the corner. Install the daughtercard so that this notch is in the same direction as the original chip. It will take some gentle force to seat the header pins on the replacement into the socket.
5. The replacement 137179 board will be more vulnerable to being bumped or moved than the original chip. You may wish to secure it with some hot-glue or double-sided tape.

There are two LEDs on the board (D101 and D102). D101 lights when the address "increment" signal is asserted inside the vector generator. D102 lights when the address "clear" signal is asserted inside the vector generator. These may be useful to experienced users to help debug a bad board. (In a working Star Wars board for example D101 will glow brightly and D102 will be significantly dimmer. If one or both are out, or too dim or too bright it will indicate a problem with that section of the AVG.)