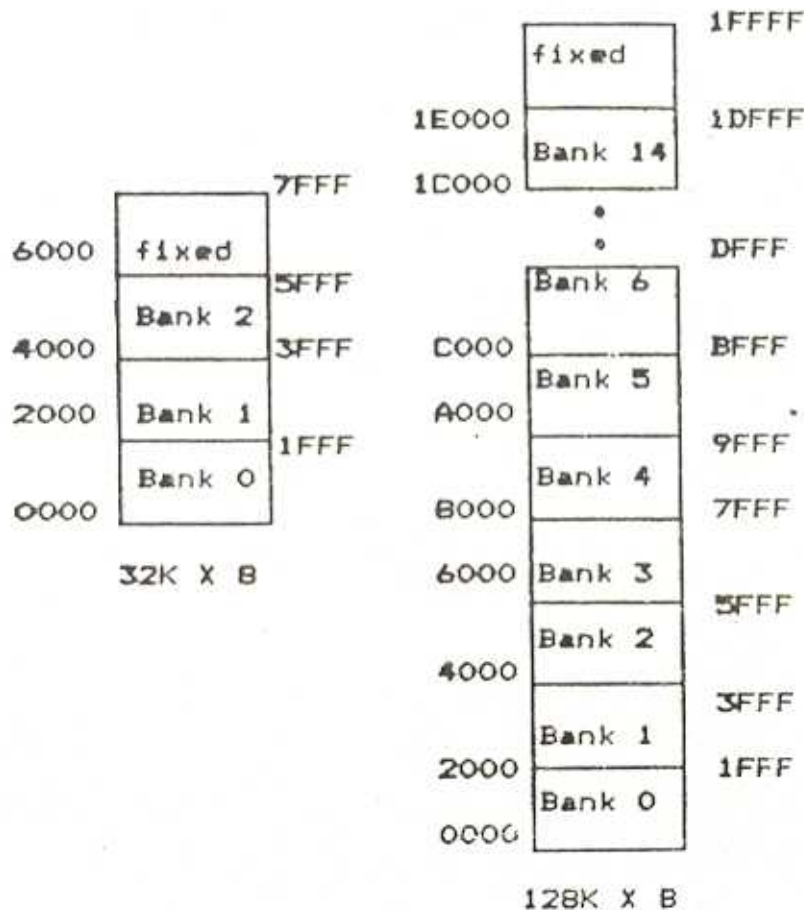


The Bbit CPU line's cartridge area is mapped as two BK blocks from B000 to 9FFF and from A000 to BFFF (hex). This cart will enable larger ROM sizes via banking of the B000-9FFF area.

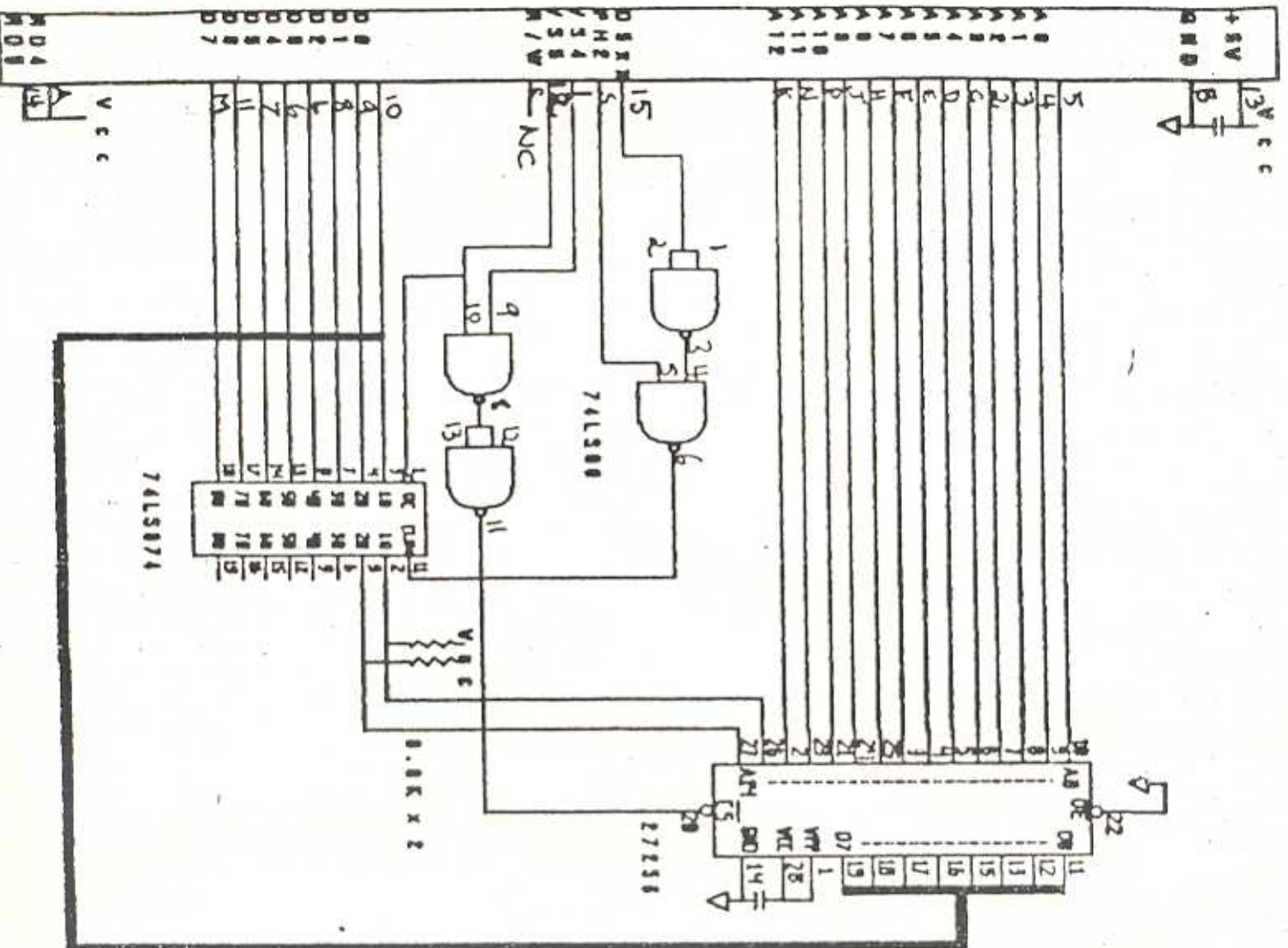
To select a bank simply write the bank number to location D5xx. Up to 255 banks can be switched limited only by the availability of larger ROMs. Current plans are to have carts with 32K x 8 and 128K x 8 ROMs as follows:



Numbers to the left and right of boxes are the actual ROM addresses. After writing to D5xx with bank data, read bank at B000-9FFF. Fixed ROM area is mapped into A000-BFFF permanently so no banking is required to access top of ROM.

Example

You want to read from bank 2. You must first write a \$02 (hex) into \$D500; this will enable data stored at ROM location \$4000-5FFF to be read at system locations \$8000-9FFF.



M e m o r y M a p

The 16K cart area is divided into an 8K fixed area at A:000 - BFFF (hex) and three 8K banks at 8000 - AFFF (hex). To select a bank, write to D5xx with the appropriate bank number as listed below:

D7 D6 D5 D4 D3 D2 D1 D0

0 0 0 0 0 0 0 0 **BANK 0**

0 0 0 0 0 0 0 1 **BANK 1**

0 0 0 0 0 0 1 0 **BANK 2**

1 1 1 1 1 1 1 1 **FIXED Shadow**

Where used: 8 bit CPU's Engineer: J. Valdes Checker:	 ATARI CORP. Product Engineering 1196 Borregas Ave. Sunnyvale, CA 94088
MGT. APPROVAL Title: XE Super Car!	REV: 0

8/25/87



Atari Corporation
1196 Borregas Avenue
Sunnyvale, California 94088-3427
(408) 745-2000

745-2000

January 5, 1989

Doc & Steve Harding
2308 Henry Circle
Augusta, GA 30906

Dear Doc & Steve:

In my haste to send out those PCBs to you yesterday, I neglected to modify them for 32K byte use (a 27256 EPROM)... Here's what you need to do:

1. Cut the trace between the bottom of R2 and pin 9 of U3.
2. Clip out R2.
3. Jumper from the bottom of where R2 was (the feedthru closest to the edge connector) to pin 10 of U3 -- it's easiest to use the feedthru near the bottom of R2.

If you don't have the tools to do this, I'd be happy to replace the boards I sent you with modified ones. Sorry for the inconvenience!

Regards,

A handwritten signature in black ink, appearing to read 'Juli Wade'.

Juli Wade
Assistant Product Manager
Video Games