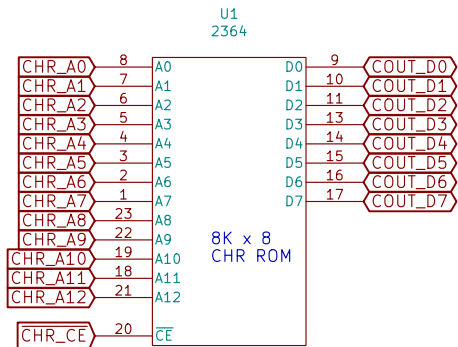
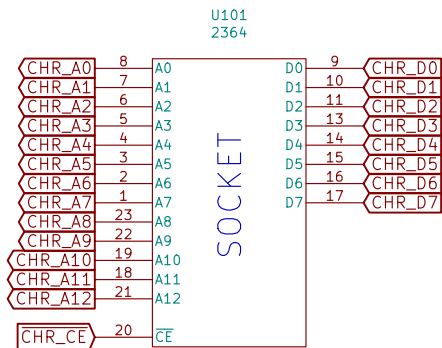
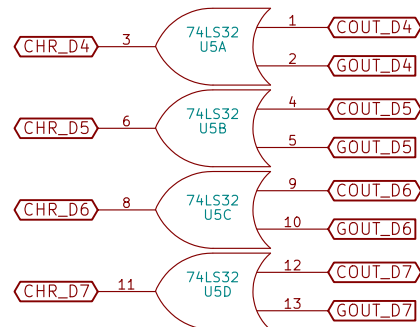
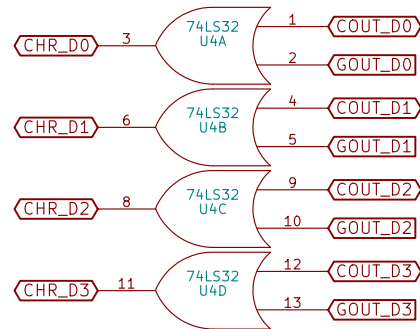


CHR ROM

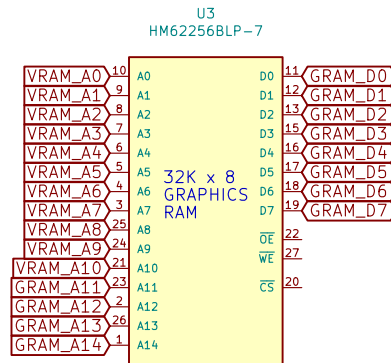


The CHARACTER ROM outputs CHARACTER DATA. It's output is combined with the GRAPHICS DATA. The CHARACTER ROM also supplies ADDRESS lines to the GRAPHICS RAM.

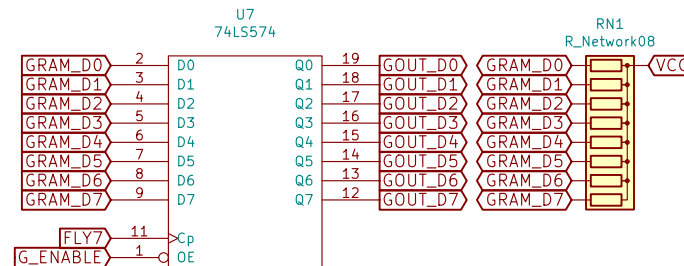
CHR/GRAPHICS MERGE



GRAPHICS RAM

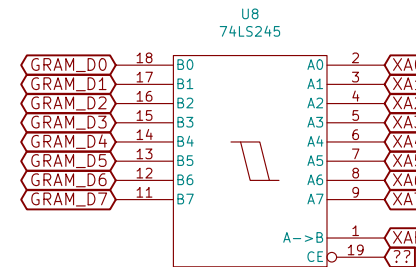


The GRAPHICS RAM takes it's ADDRESS as a combination of the TEXT RAM and CHARACTER ROM address lines. The upper 4 address lines come from the USER PORT when the CPU is accessing it and from the CHARACTER ROM when the VIDEO system is accessing it.

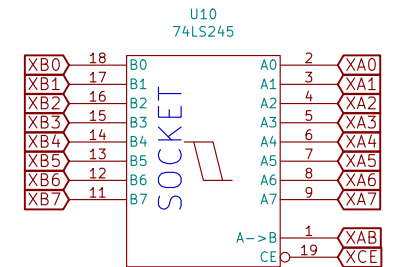


This ENABLES/DISABLES the output of the GRAPHICS DATA

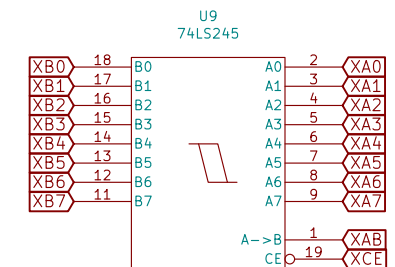
TRANCEIVERS



This X'CVR controls DATA to/from the Graphics RAM

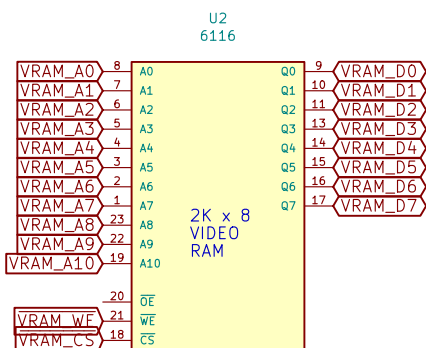
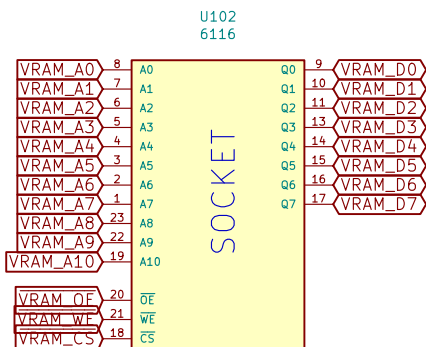


The Tranceivers determine the flow of data to/from the DATA BUS.



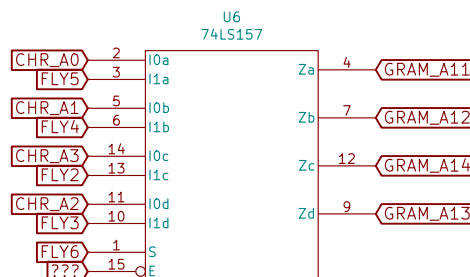
This is the original X'CVR transplanted from the motherboard to the HiRes board.

TEXT RAM



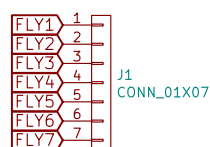
The VIDEO RAM supplies it's ADDRESS lines to the GRAPHICS RAM. The /OE line seems to be controlled to be able to blank the TEXT SCREEN.

CPU/GRAPHICS SELECTOR

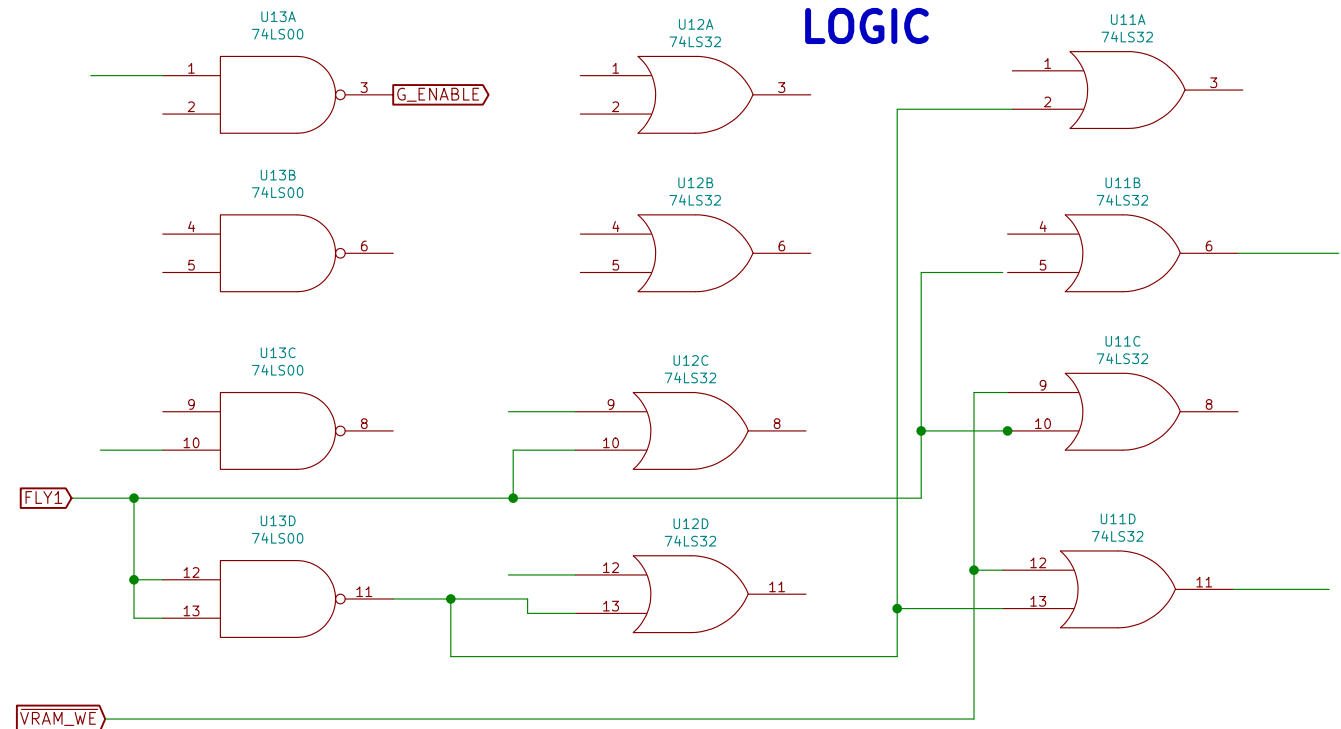


FLYOUTS

FLY1 - LOGIC ???
FLY2 - USER - GRAM14
FLY3 - USER - GRAM13
FLY4 - USER - GRAM12
FLY5 - USER - GRAM11
FLY6 - CPU Phase
FLY7 - CLOCK? (U7p11)



LOGIC



B700 HIRES CARD for CBM-II

Steve J. Gray

Sheet: /
File: b700-hires.sch

Title:

Size: A3

Date:

Rev:

KiCad E.D.A. kicad (2018-01-29 revision d44494bed)-makepkg

Id: 1/1

**** WORK IN PROGRESS!!!! ****