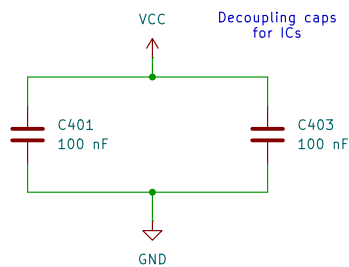
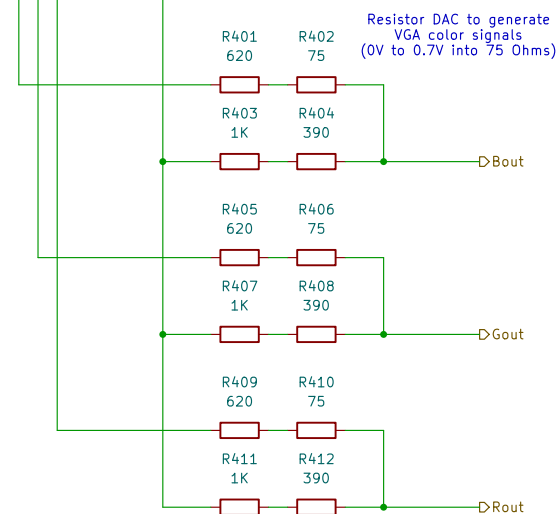
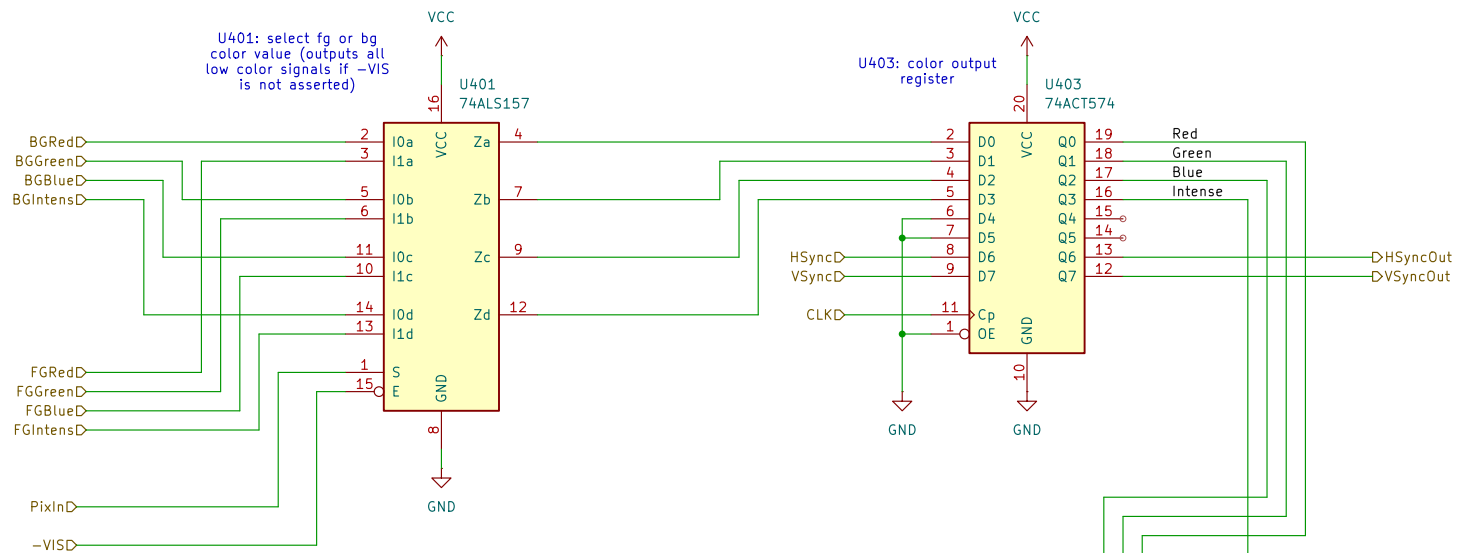
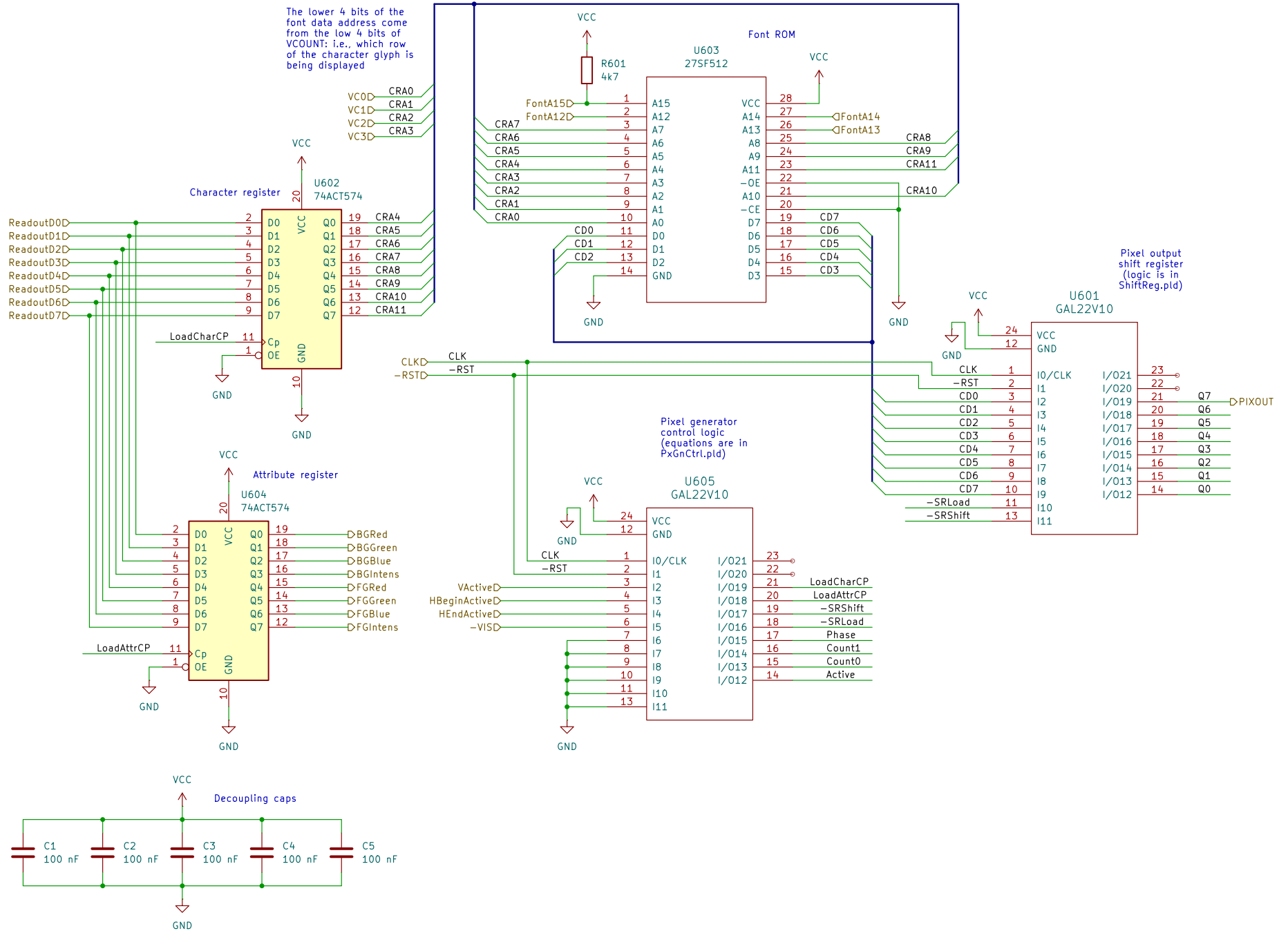
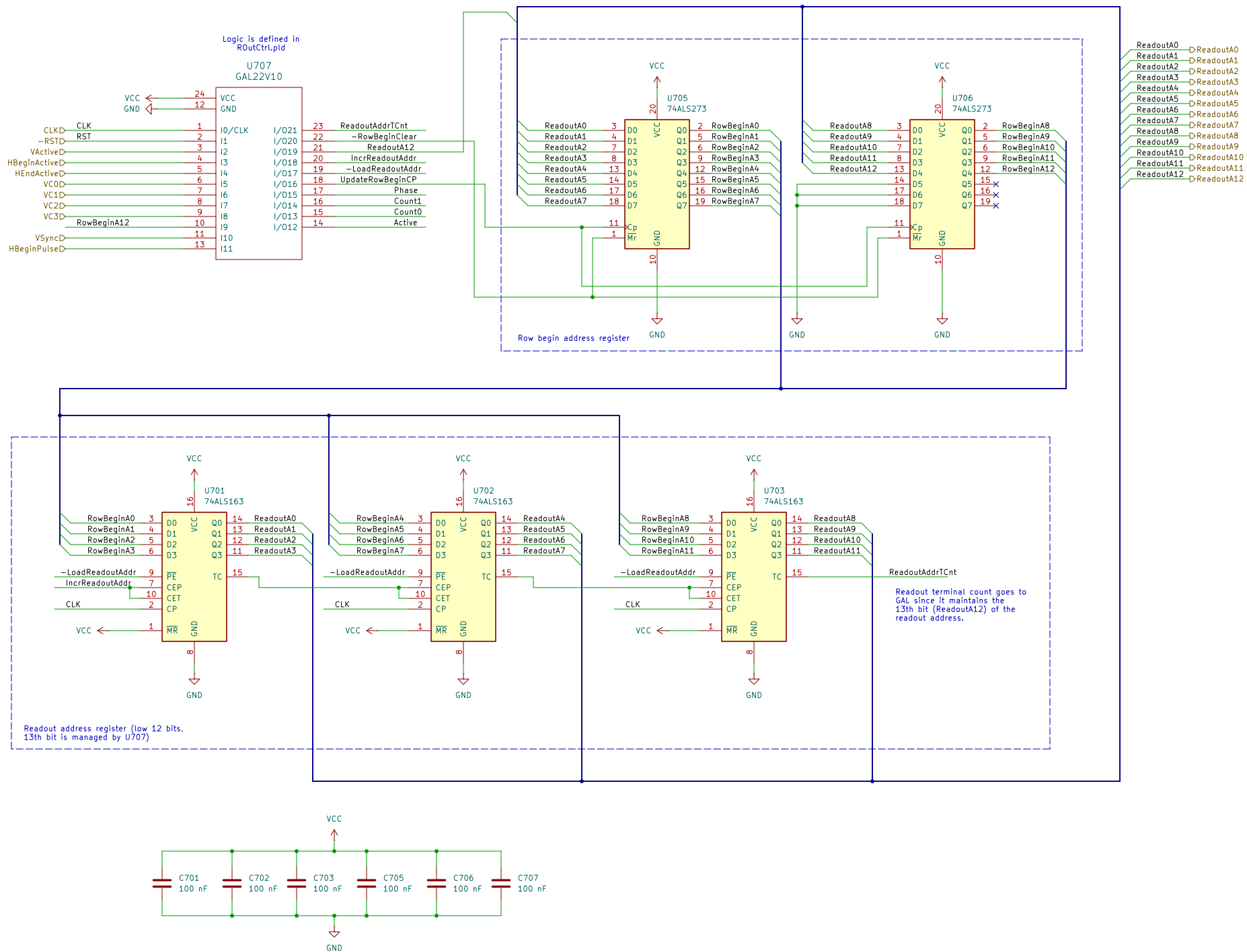


10-pos DIP switch for setting initial VCOUNT.  
The idea is to be in the vertical back porch  
when coming out of reset, to give the hardware  
time to prepare to render the first row of  
pixels in the first frame.



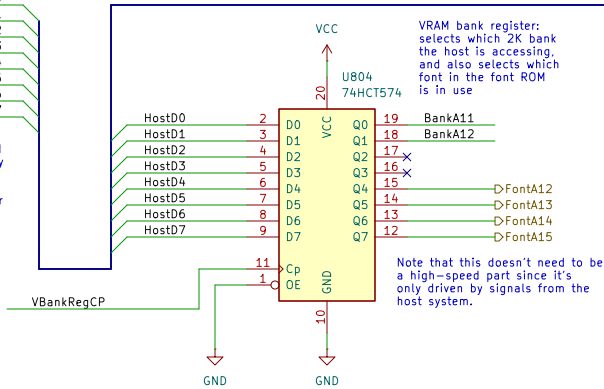
Note that R601 should, in theory, allow a 27C256 EPROM to be used as the font ROM (allowing for 8 fonts rather than 16)





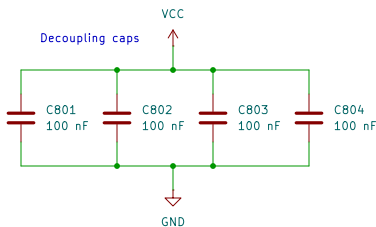
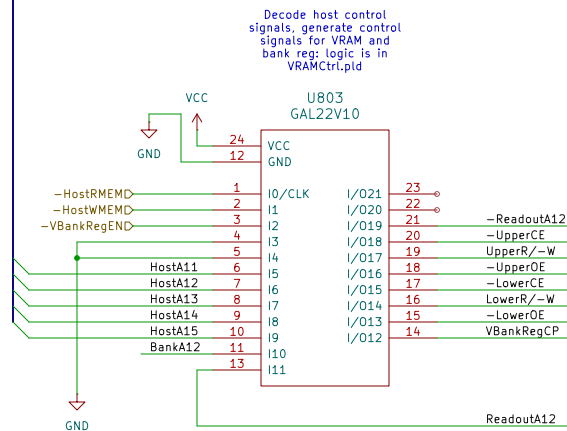
HostD0◊ HostD0  
HostD1◊ HostD1  
HostD2◊ HostD2  
HostD3◊ HostD3  
HostD4◊ HostD4  
HostD5◊ HostD5  
HostD6◊ HostD6  
HostD7◊ HostD7

Host can read and write video memory and can write the contents of the VRAM bank register



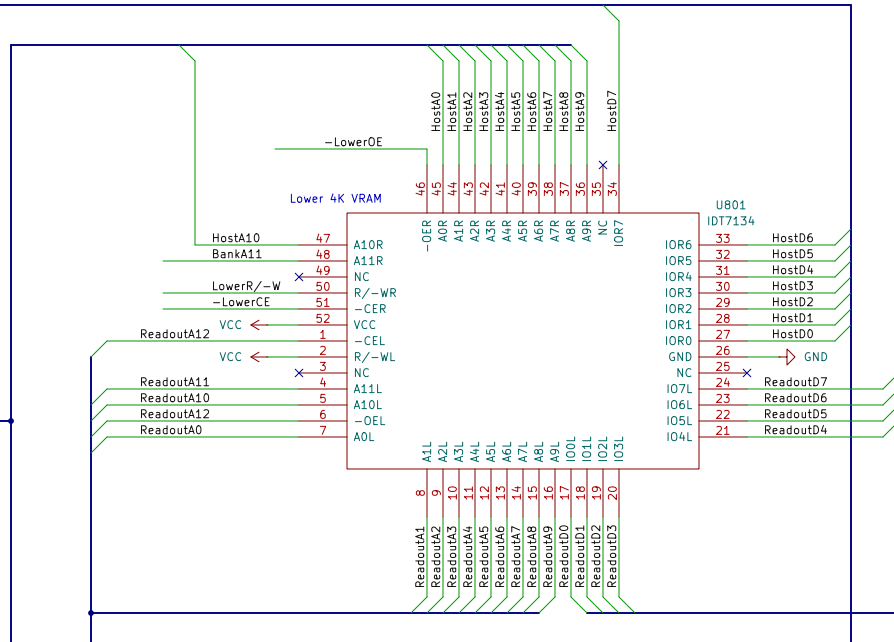
HostA0D◊ HostA0  
HostA1D◊ HostA1  
HostA2D◊ HostA2  
HostA3D◊ HostA3  
HostA4D◊ HostA4  
HostA5D◊ HostA5  
HostA6D◊ HostA6  
HostA7D◊ HostA7  
HostA8D◊ HostA8  
HostA9D◊ HostA9  
HostA10D◊ HostA10  
HostA11D◊ HostA11  
HostA12D◊ HostA12  
HostA13D◊ HostA13  
HostA14D◊ HostA14  
HostA15D◊ HostA15

All host address lines are used because the VRAM hardware does its own address decoding (to know when video memory is being accessed by the host)



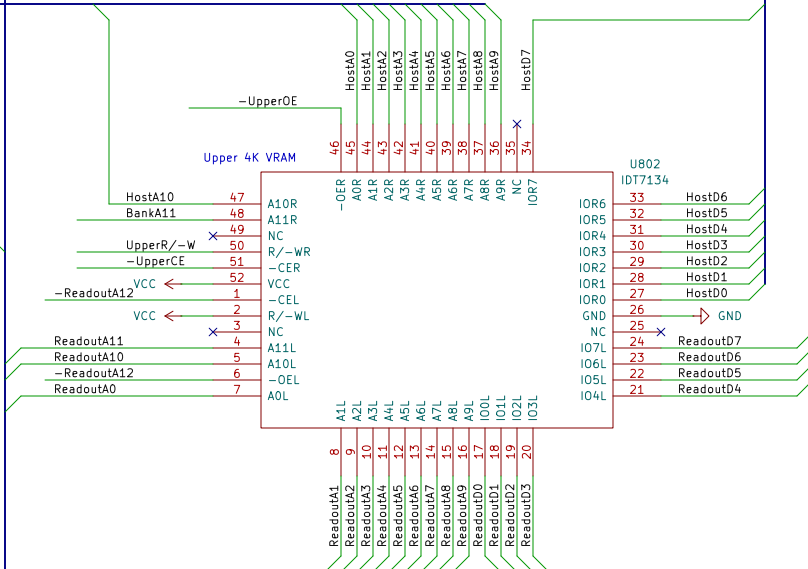
The readout address signals select which byte of video memory the memory fetch hardware wants to access. ReadoutA12 (the highest address line) is used to select the lower or upper VRAM chip.

ReadoutA0D◊ ReadoutA0  
ReadoutA1D◊ ReadoutA1  
ReadoutA2D◊ ReadoutA2  
ReadoutA3D◊ ReadoutA3  
ReadoutA4D◊ ReadoutA4  
ReadoutA5D◊ ReadoutA5  
ReadoutA6D◊ ReadoutA6  
ReadoutA7D◊ ReadoutA7  
ReadoutA8D◊ ReadoutA8  
ReadoutA9D◊ ReadoutA9  
ReadoutA10D◊ ReadoutA10  
ReadoutA11D◊ ReadoutA11  
ReadoutA12D◊ ReadoutA12



Data values read from VRAM (to be used for rasterization)

ReadoutD0◊ ReadoutD0  
ReadoutD1◊ ReadoutD1  
ReadoutD2◊ ReadoutD2  
ReadoutD3◊ ReadoutD3  
ReadoutD4◊ ReadoutD4  
ReadoutD5◊ ReadoutD5  
ReadoutD6◊ ReadoutD6  
ReadoutD7◊ ReadoutD7



ReadoutD0◊ ReadoutD0  
ReadoutD1◊ ReadoutD1  
ReadoutD2◊ ReadoutD2  
ReadoutD3◊ ReadoutD3  
ReadoutD4◊ ReadoutD4  
ReadoutD5◊ ReadoutD5  
ReadoutD6◊ ReadoutD6  
ReadoutD7◊ ReadoutD7