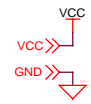
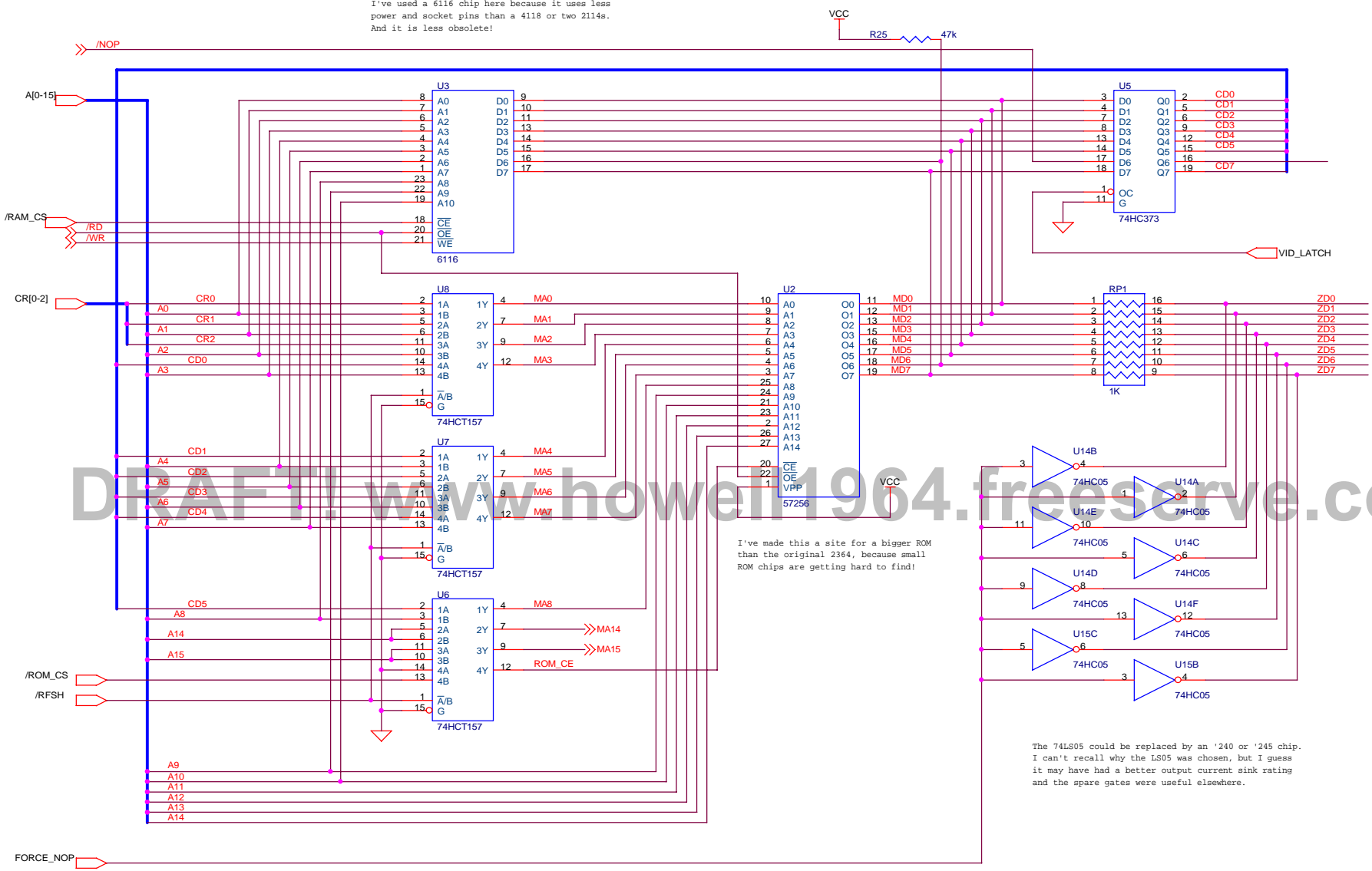


I've used a 6116 chip here because it uses less power and socket pins than a 4118 or two 2114s. And it is less obsolete!

I've made this site for a bigger ROM than the original 2364, because small ROM chips are getting hard to find!

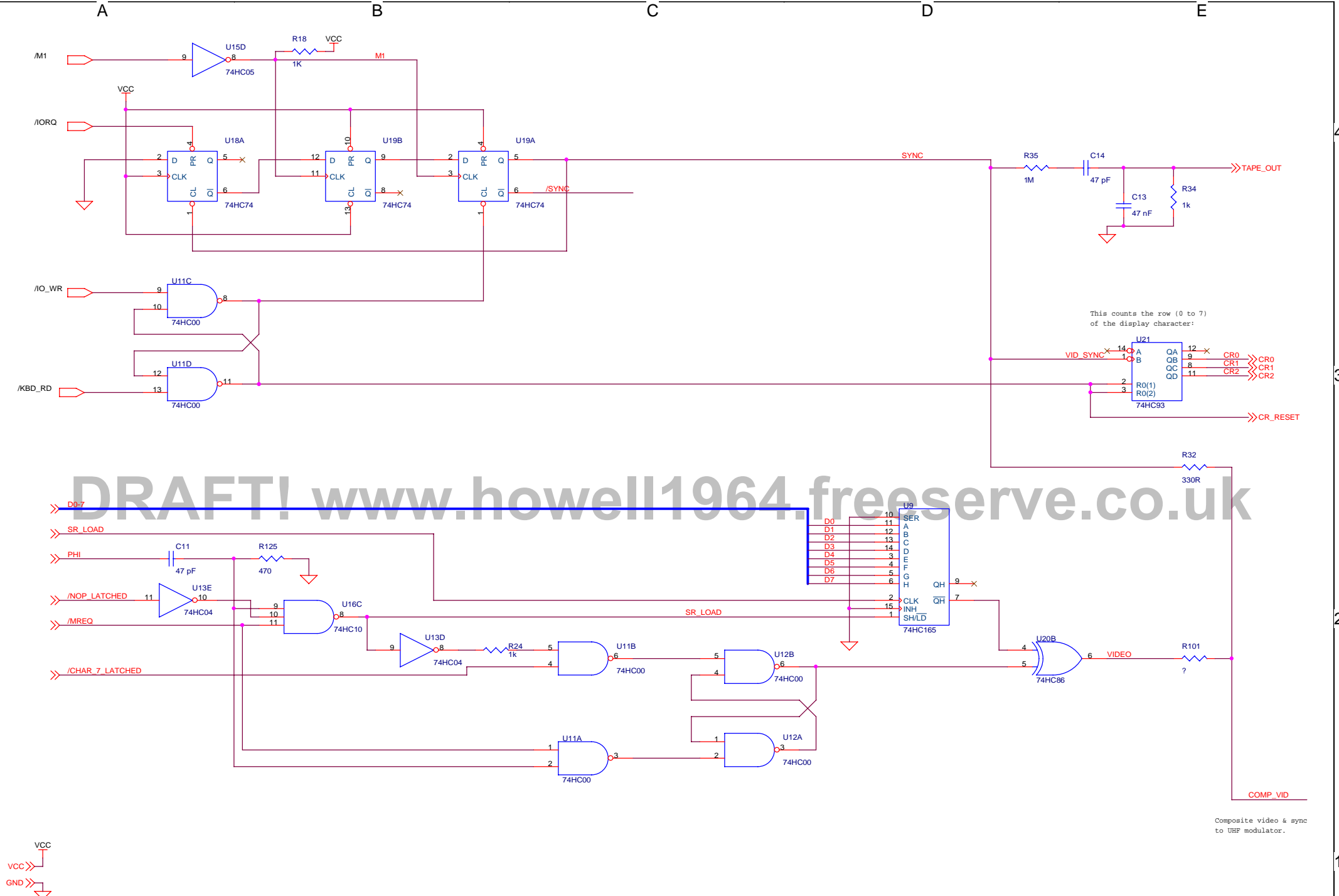
I've altered the pinning of the multiplexers from the original circuit, for ease of reading the circuit instead of ease of laying the PCB tracks.

The 74LS05 could be replaced by an '240 or '245 chip. I can't recall why the LS05 was chosen, but I guess it may have had a better output current sink rating and the spare gates were useful elsewhere.



Title			ZX80 ROM & RAM		
Size	Document Number				Rev
A3	K0081				1.1
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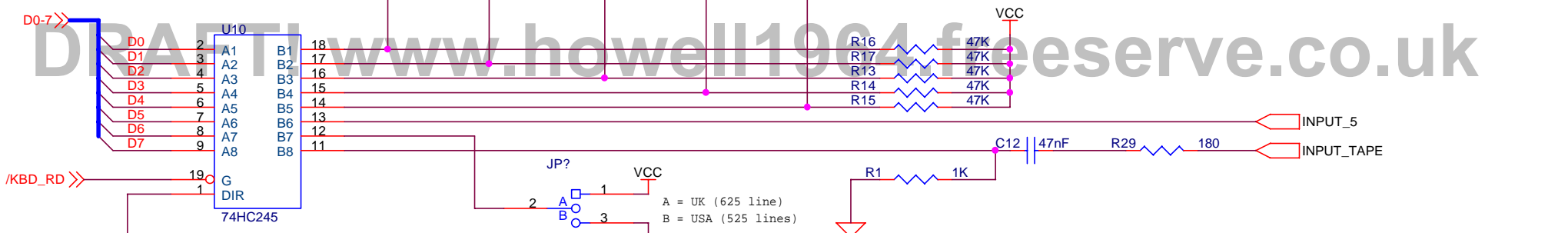
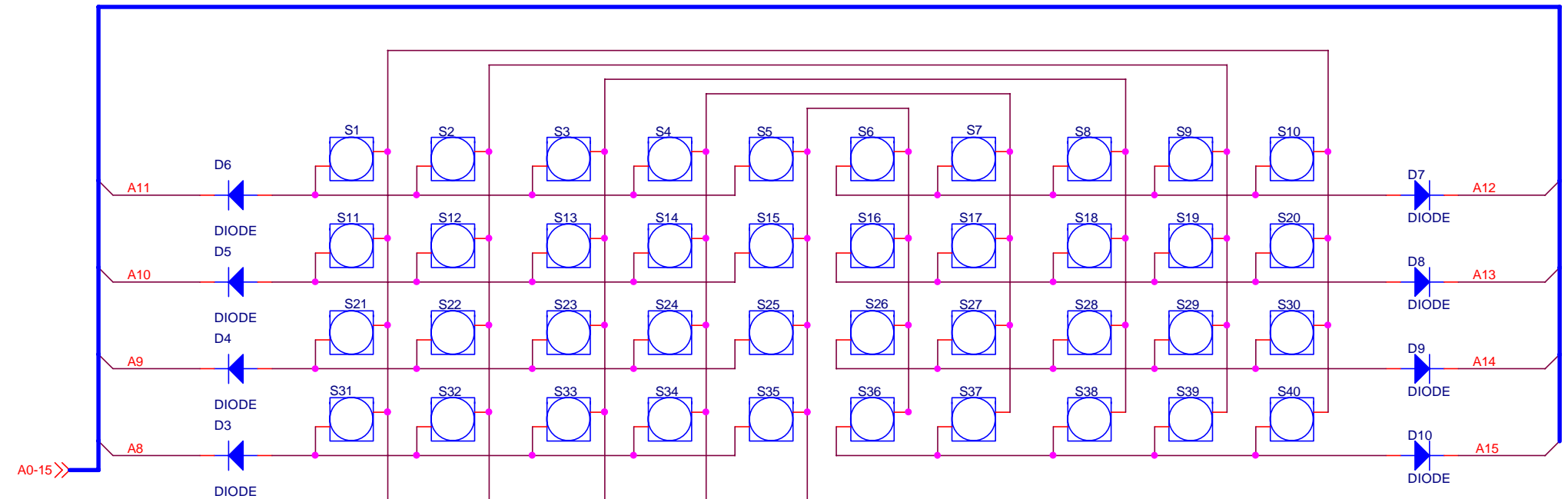
19640625



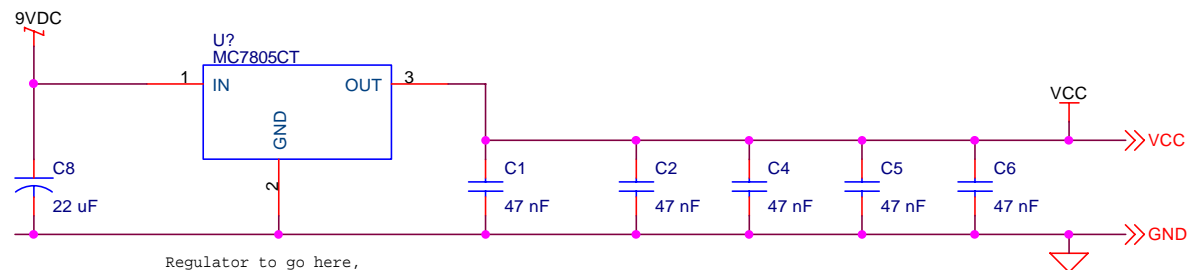
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Title		ZX video
Size	Document Number	Rev
A3	K1002	11
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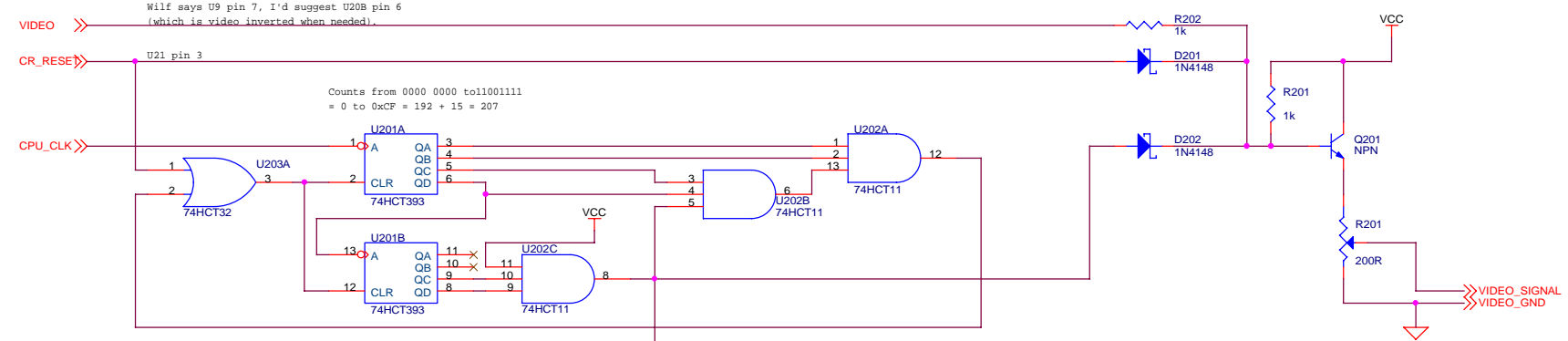


NEED TO CHECK DIRECTION!
MIGHT BE A GOOD IDEA TO REPLACE DIODES
WITH A '245 BUFFER ENABLED BY /KBD_RD,
TO REDUCE EMI EMISSIONS

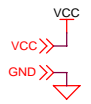
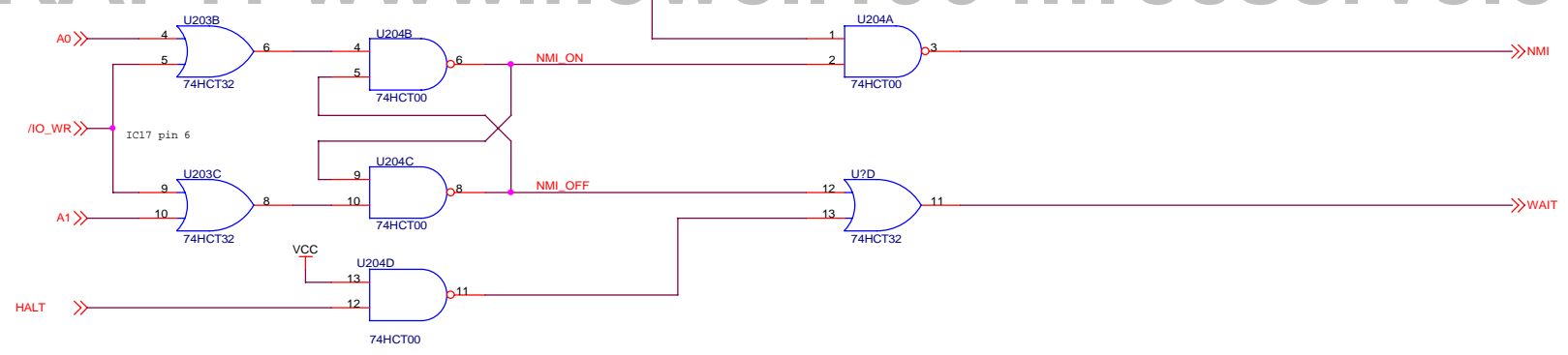


Regulator to go here,
if not driving from an
existing 5V supply.

Title ZX80 KEYBOARD & PSU		
Size A4	Document Number K1002	Rev 1.1
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NOT FULLY CHECKED!

Circuit designed by Wilf Ritger.

Title		
ZX NMI Generator		
Size	Document Number	Rev
A3	K1002	1.1
Date:	Thursday, March 25, 2004	Sheet 5 of 5