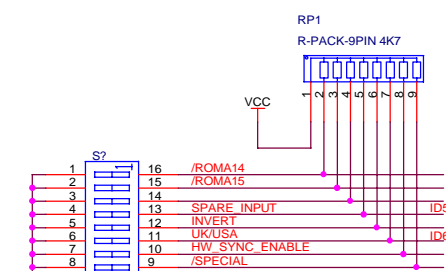
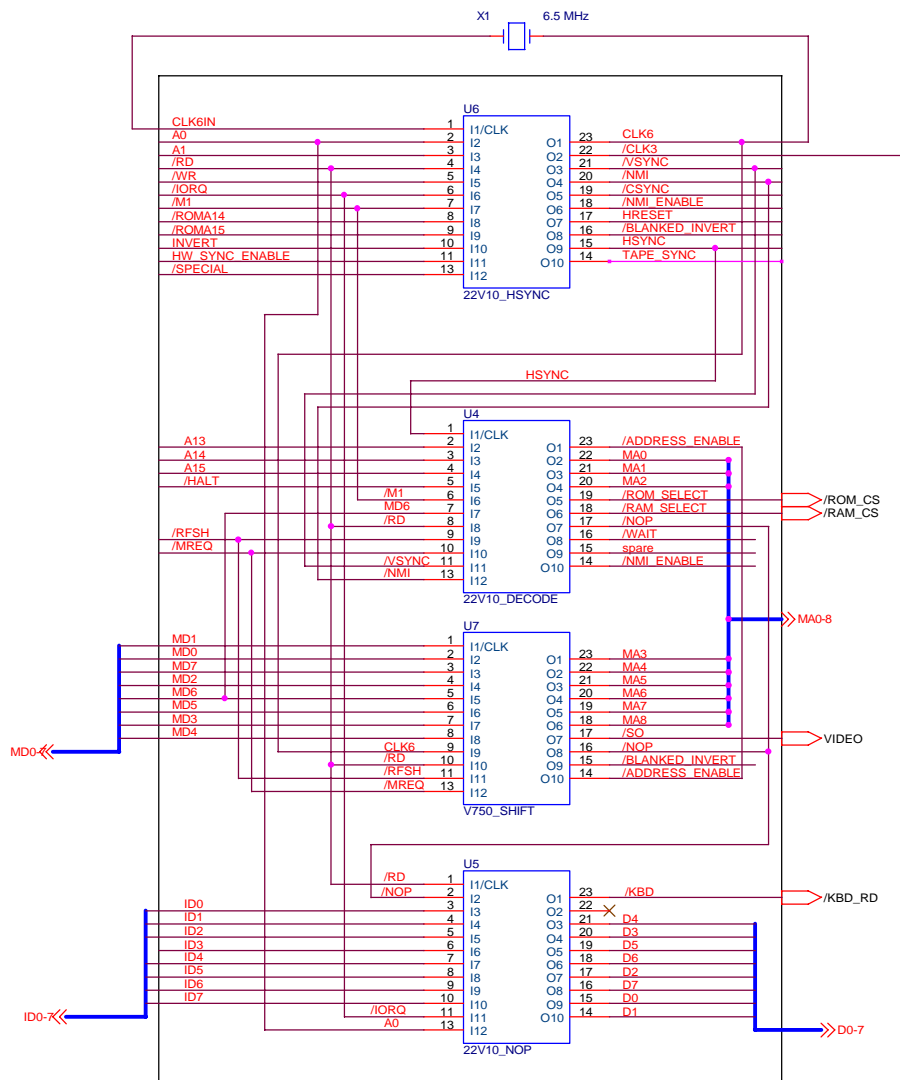


The ZX81 video system requires A6 to drive /INT

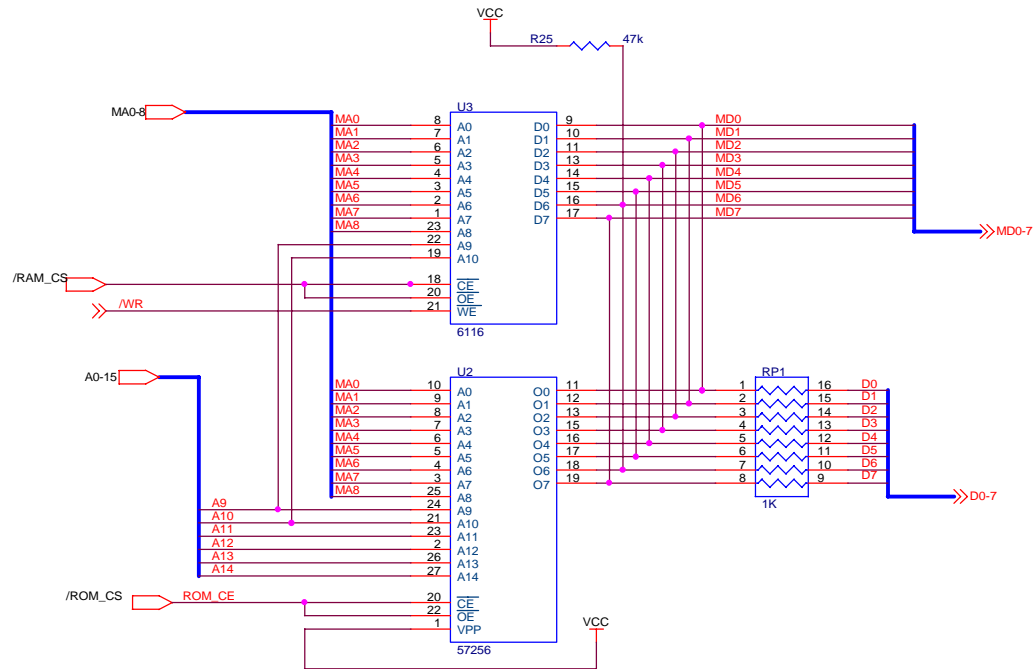


R102 added for peace of mind!
I don't like floating inputs,
especially if using CMOS Z80.

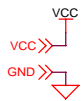


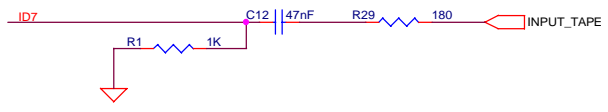
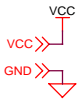
Title		
ZX81 in PLD Circuit Diagram: CPU & GLU		
Size	Document Number	Rev
A3	K8082	1.1
19640625	Date: Saturday, June 23, 2001	Sheet 1 of 4

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!

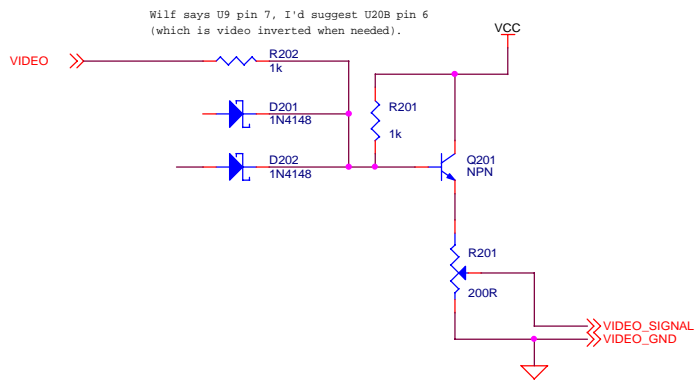
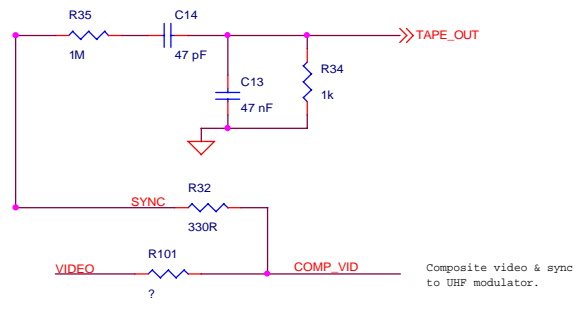


I've made this a site for a bigger ROM than the original 2364, because small ROM chips are getting hard to find!



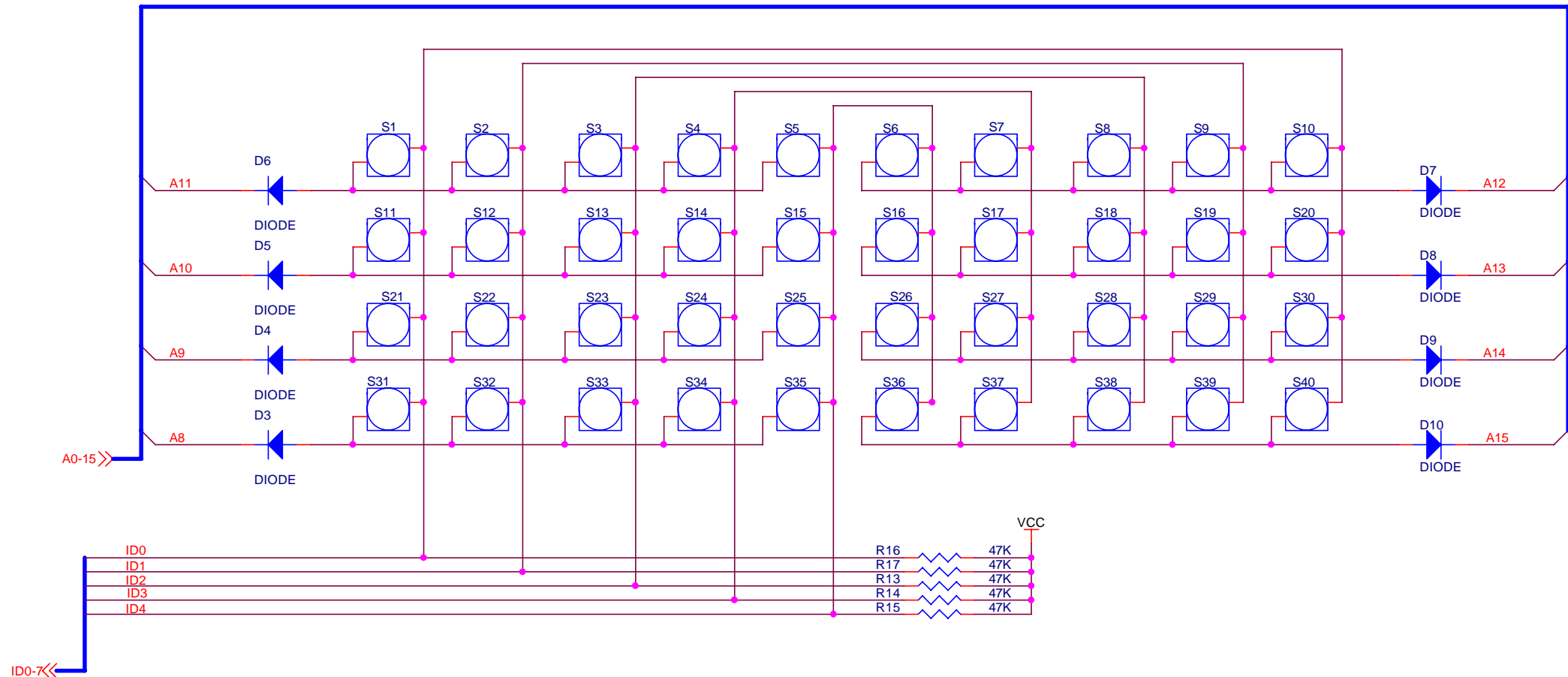


TAPE_SYNC

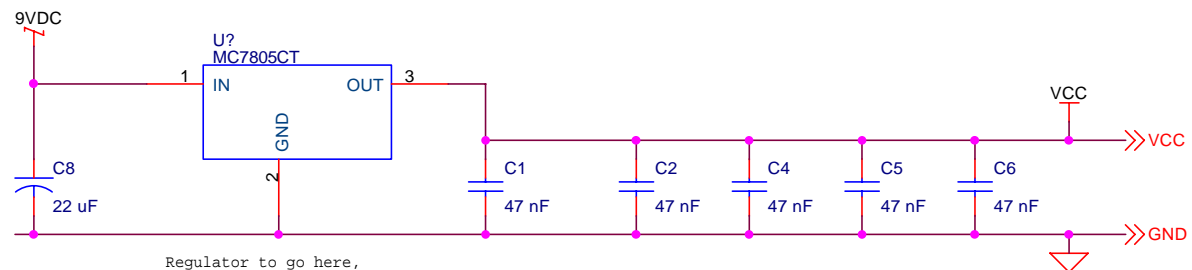


Title		
ZX video		
Size	Document Number	
A3	K1002	
Date:	Friday, June 22, 2001	Sheet 3 of 4
Rev	11	

19640625

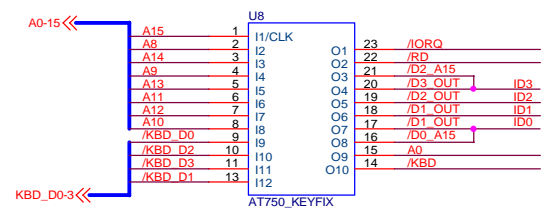
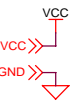


NEED TO CHECK DIRECTION!
 MIGHT BE A GOOD IDEA TO REPLACE DIODES
 WITH A '245 BUFFER, TO REDUCE EMI EMISSIONS



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

Title		
ZX80/ZX81 KEYBOARD & PSU		
Size	Document Number	Rev
A4	K8082	1.1
Date:	Friday, June 22, 2001	Sheet 4 of 4



THIS IS A DRAFT COPY ONLY!!!
NOT FULLY CHECKED!

Circuit designed by Wilf Ritger.

Title		
ZX NMI Generator		
Size	Document Number	Rev
A3	K1002	1.1
Date:	Friday, June 22, 2001	Sheet 5 of 5

19640625