

Main Clock



File: clock_tree.kicad_sch

Horizontal Clock



File: horizontal_clock.kicad_sch

Vertical Clock



File: vertical_clock.kicad_sch

RAM 2102



File: RAM_2102.kicad_sch

RAM 2114



File: RAM_2114.kicad_sch

Character Generator



File: character_generator.kicad_sch

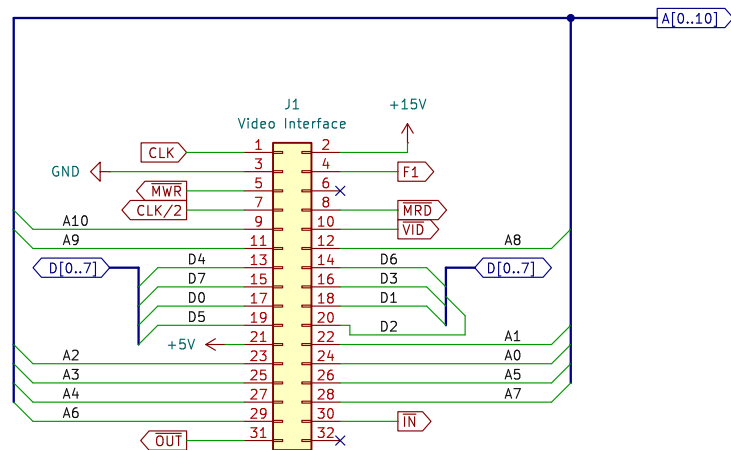
Video Output



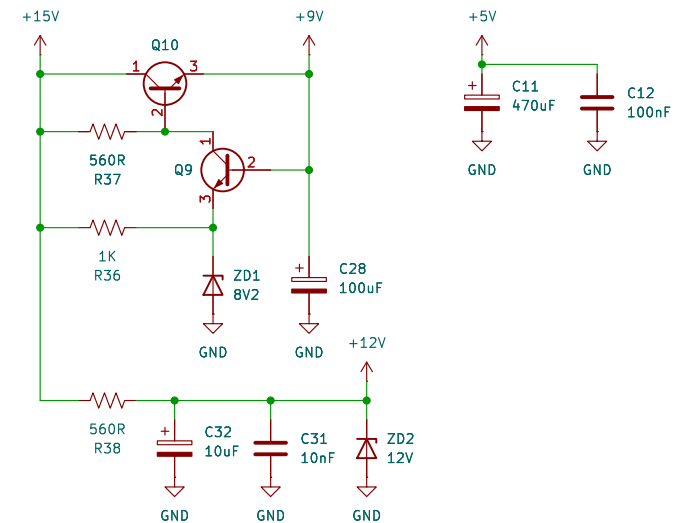
File: video_output.kicad_sch

The original schematics use IC designators like Z35.
This version uses the more modern U35 instead.

Some pages of this schematic contain alternatives for
older and newer models. The older versions use the
Z designer; e.g. Z25 versus the newer model's U25.



TBD: PAGE on which pin?



Cassette Interface 1



File: cassette_interface.kicad_sch

Cassette Interface 2



File: cassette_interface_2.kicad_sch

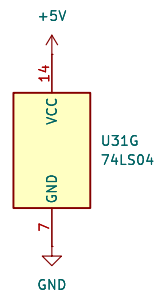
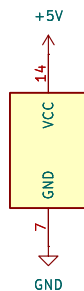
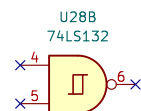
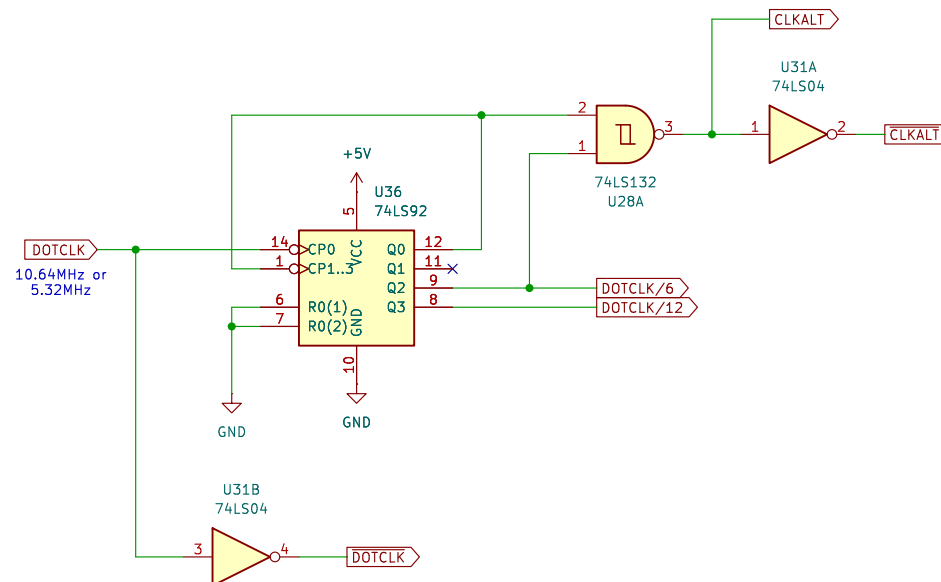
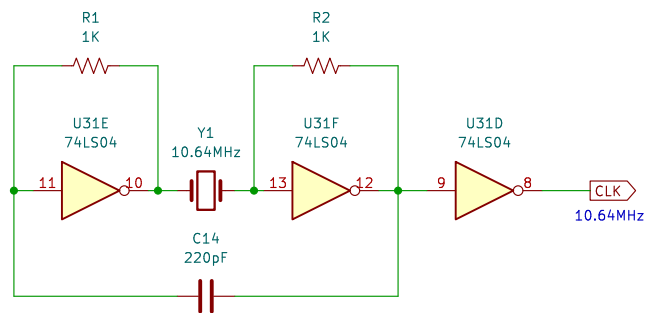
Sheet: /
File: System_80_Video_Cassette.kicad_sch

Title: Dick Smith System 80 Video and Cassette

Size: A4 Date: 1980

KiCad E.D.A. 8.0.7

Rev:
Id: 1/10



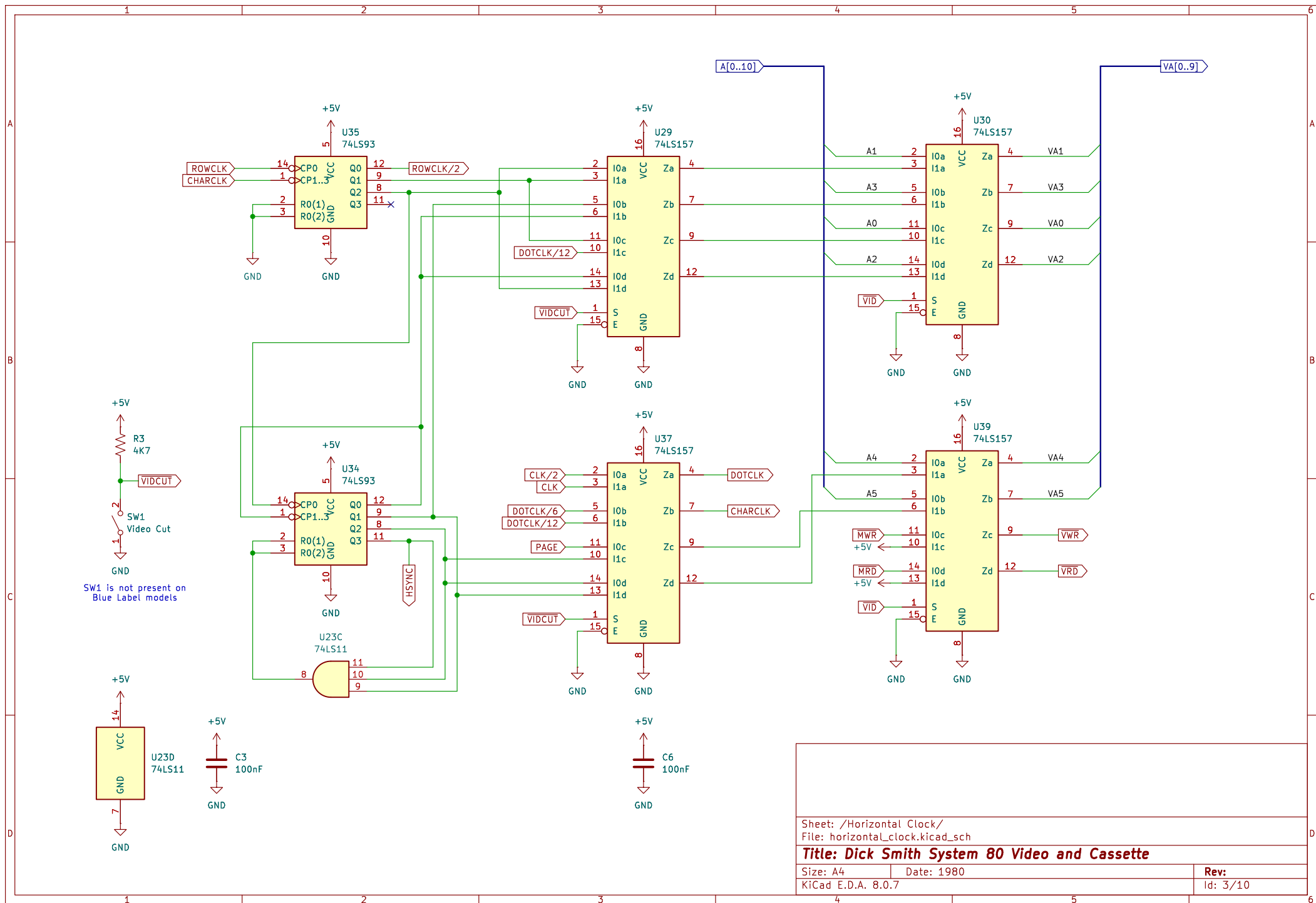
Sheet: /Main Clock/
File: clock_tree.kicad_sch

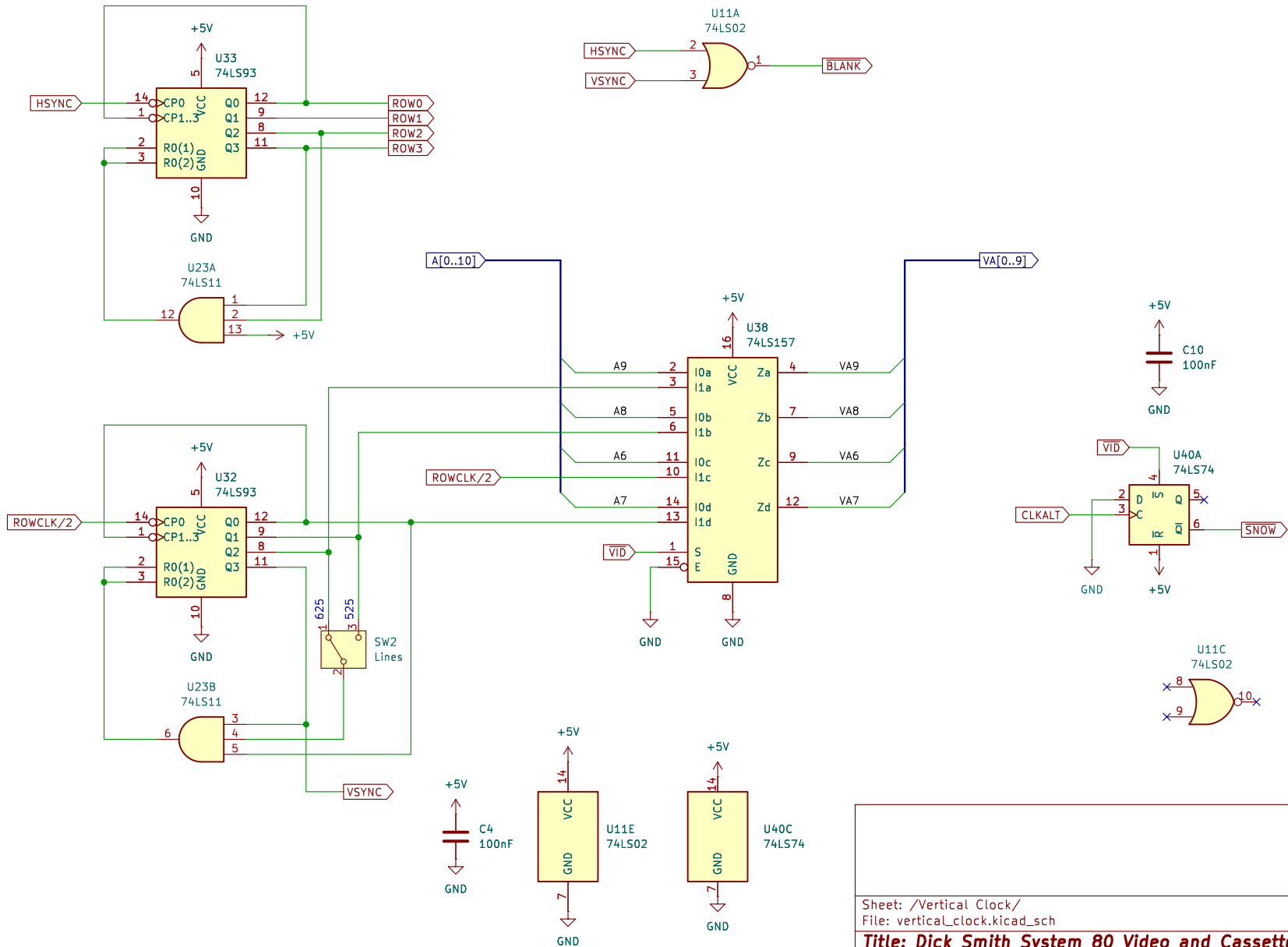
Title: Dick Smith System 80 Video and Cassette

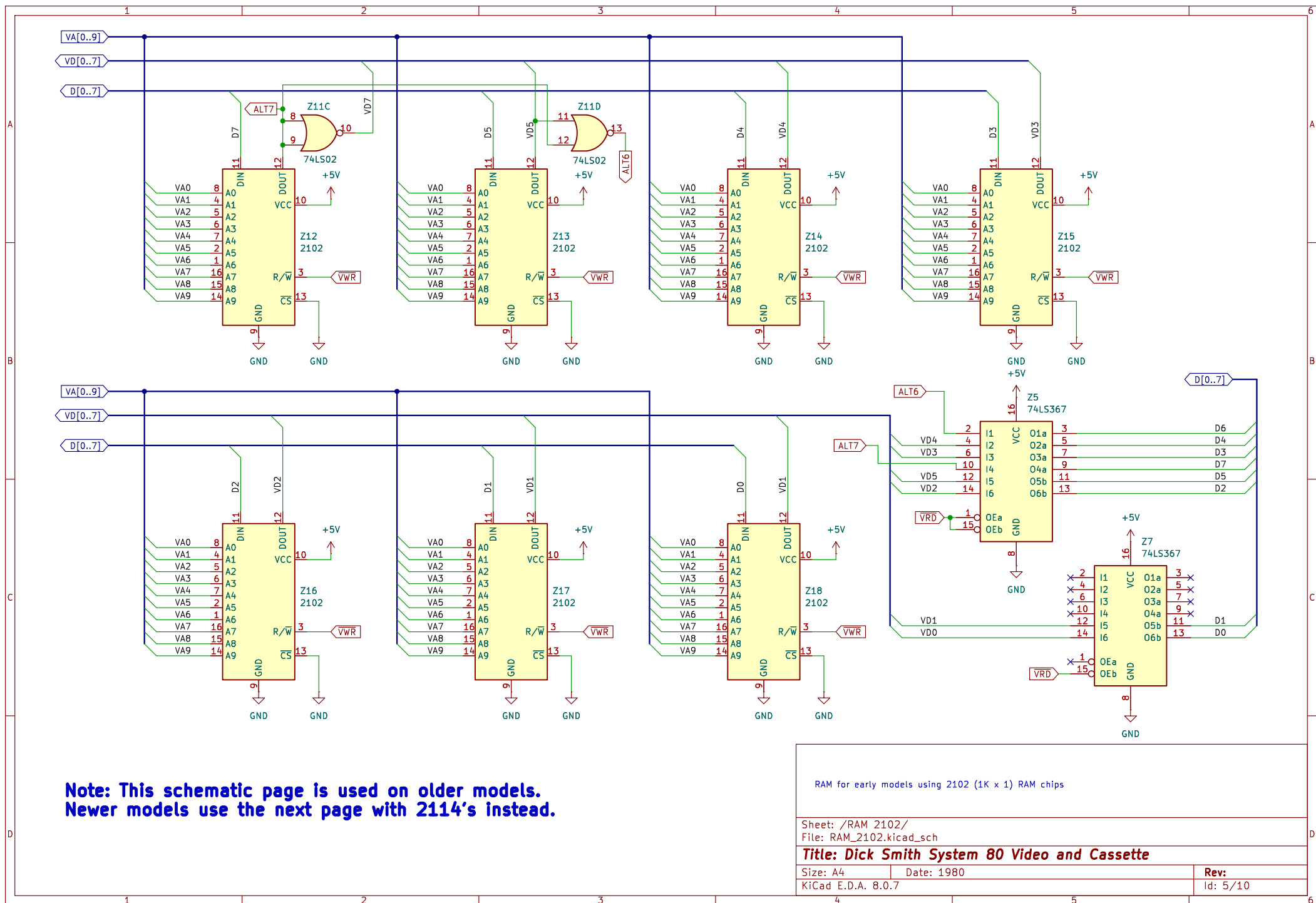
Size: A4 Date: 1980

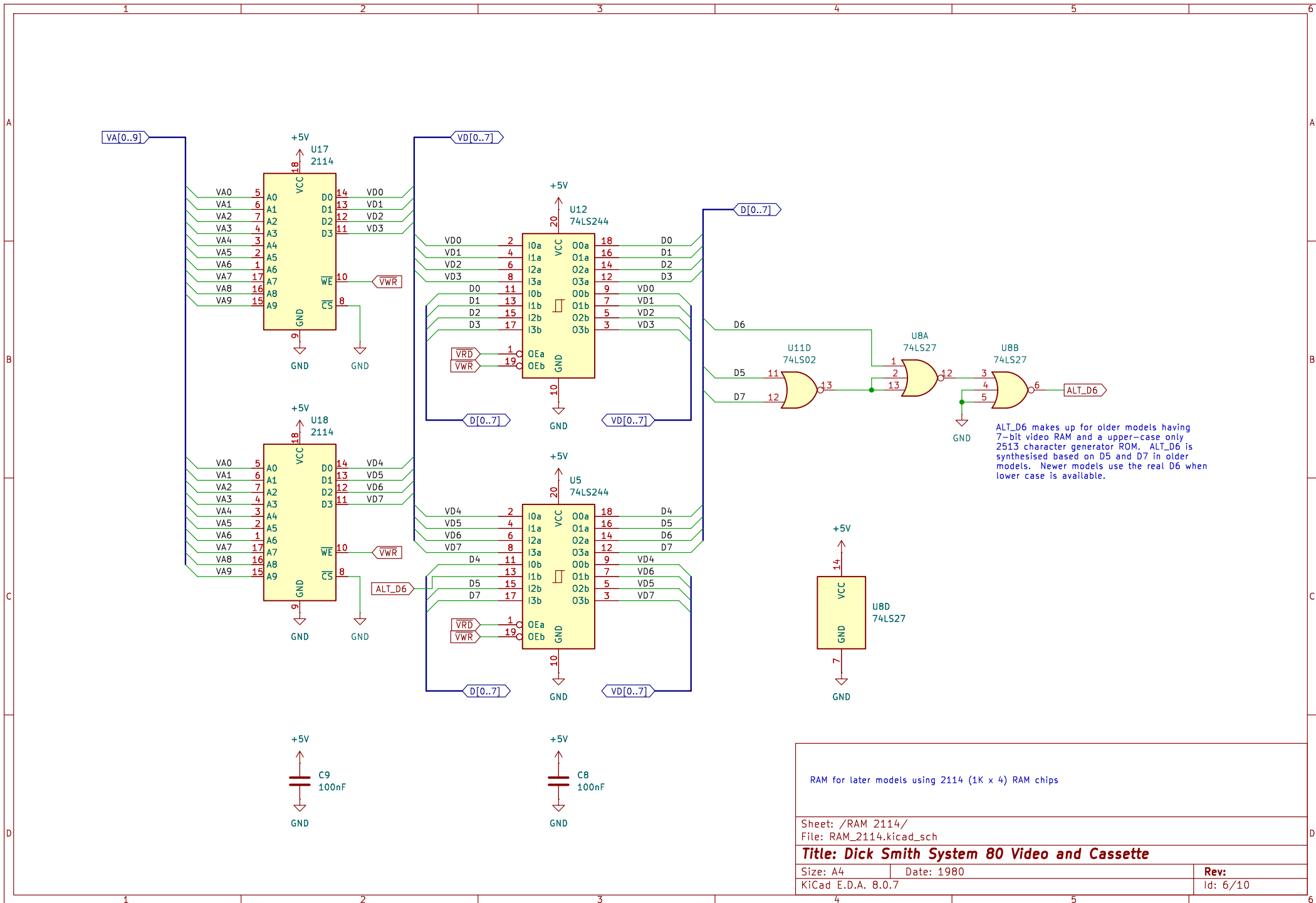
KiCad E.D.A. 8.0.7

Rev:
Id: 2/10

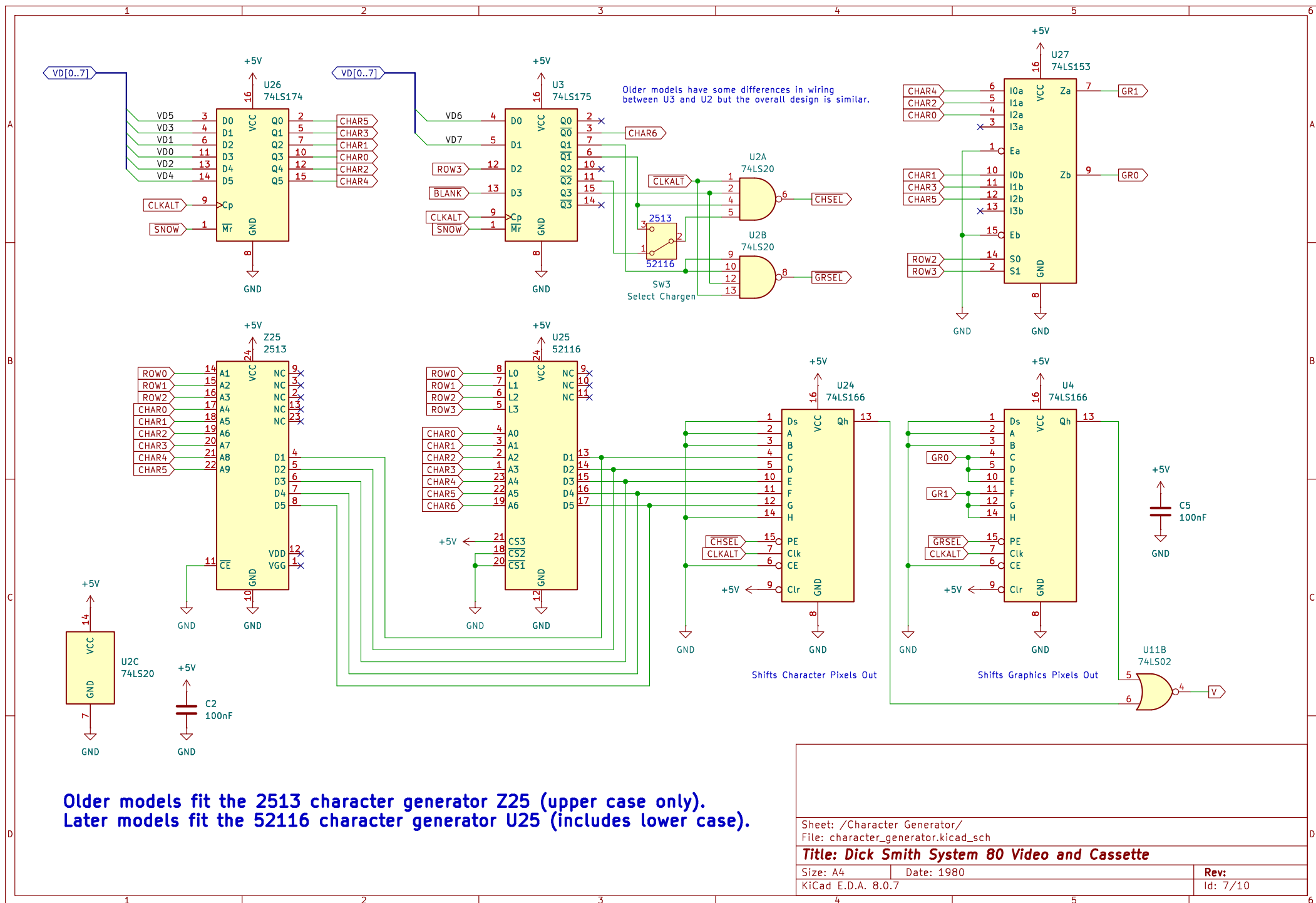


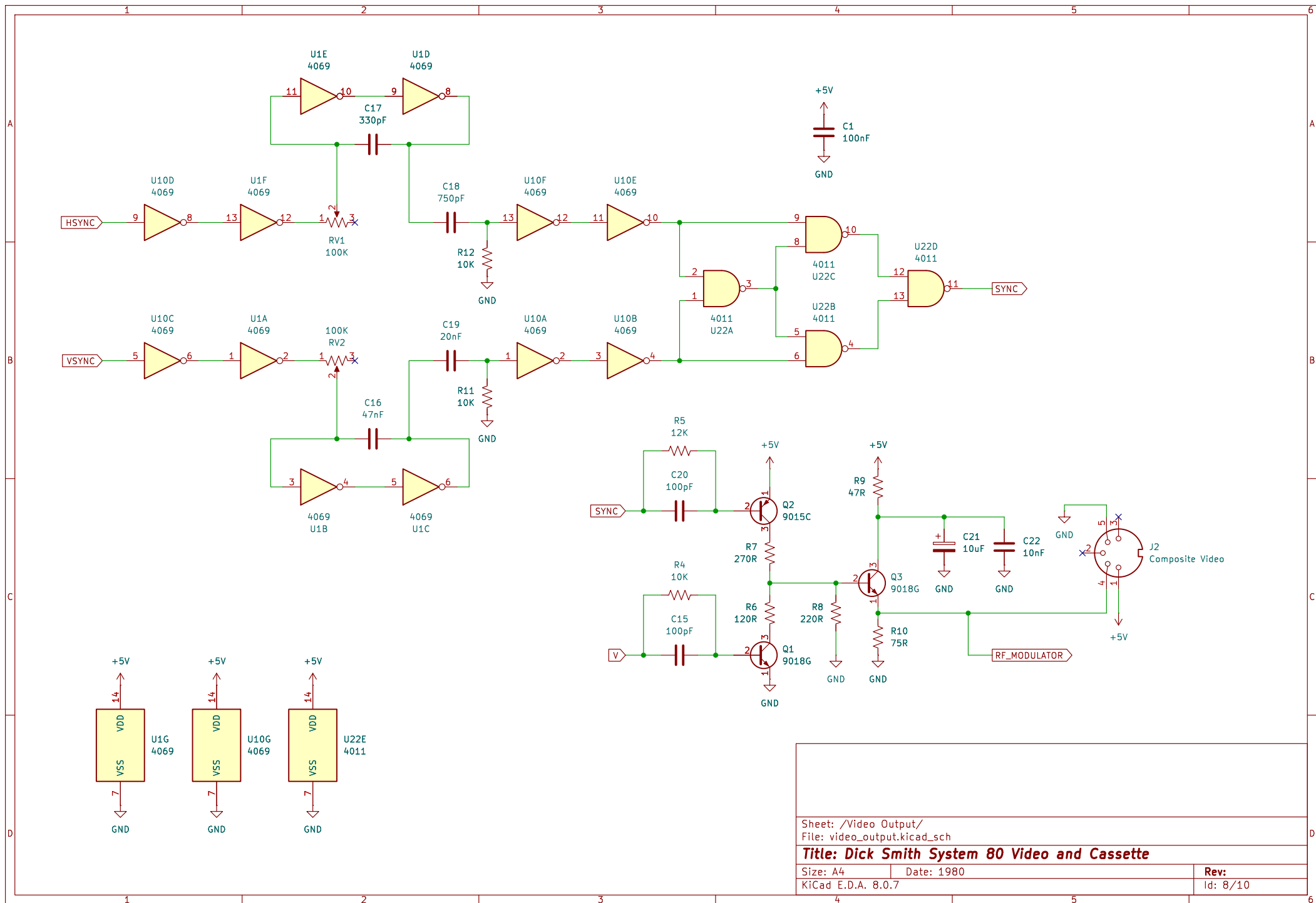






RAM for later models using 2114 (1K x 4) RAM chips		
Sheet: /RAM 2114/ File: RAM_2114.kicad_sch		
Title: Dick Smith System 80 Video and Cassette		
Size: A4	Date: 1980	Rev:
KiCad E.D.A. 8.0.7	Id: 6/10	





Sheet: /Video Output/

File: video_output.kicad_sch

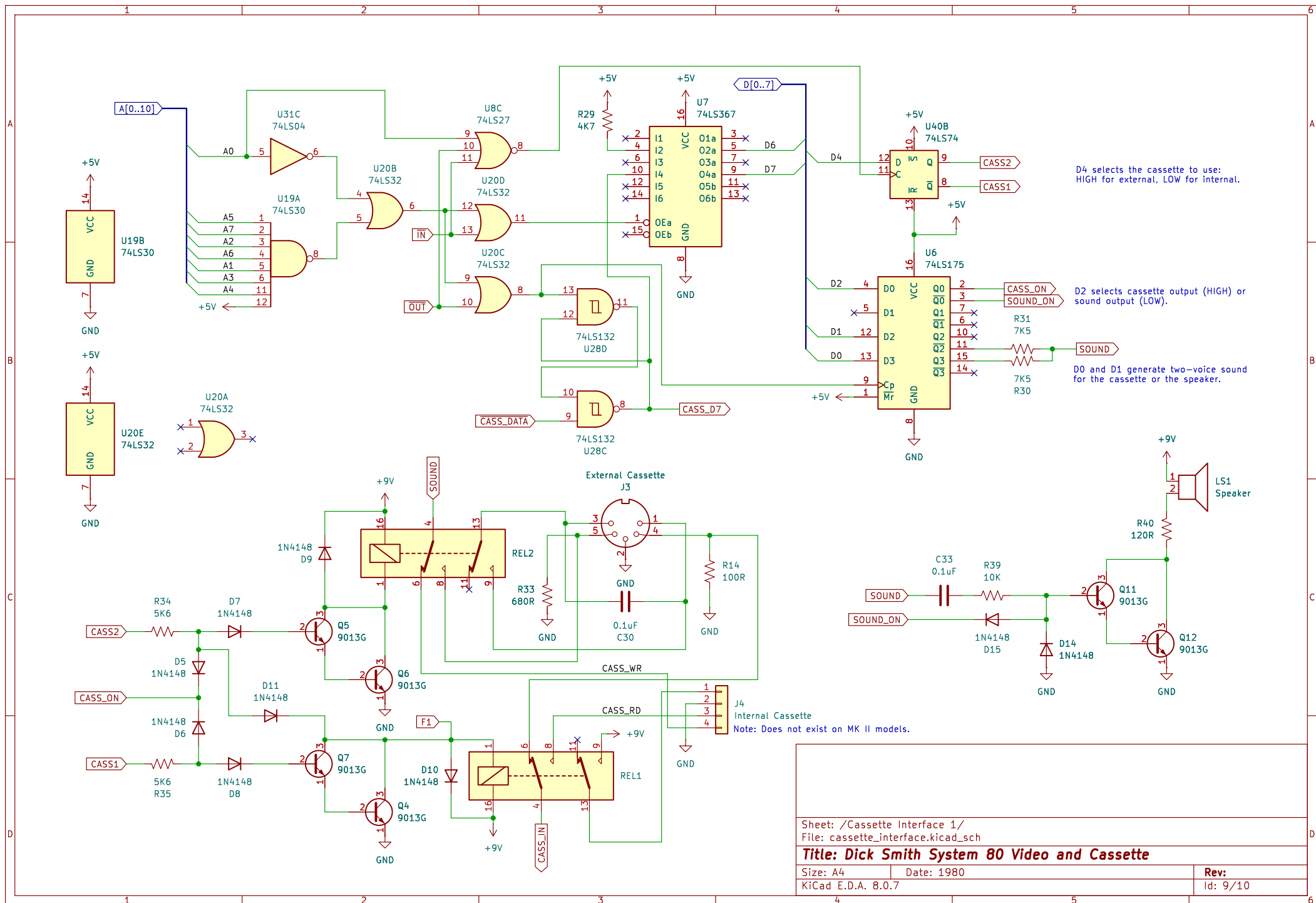
Title: Dick Smith System 80 Video and Cassette

Size: A4 Date: 1980

KiCad E.D.A. 8.0.7

Rev:

Id: 8/10



D4 selects the cassette to use:
HIGH for external, LOW for internal.

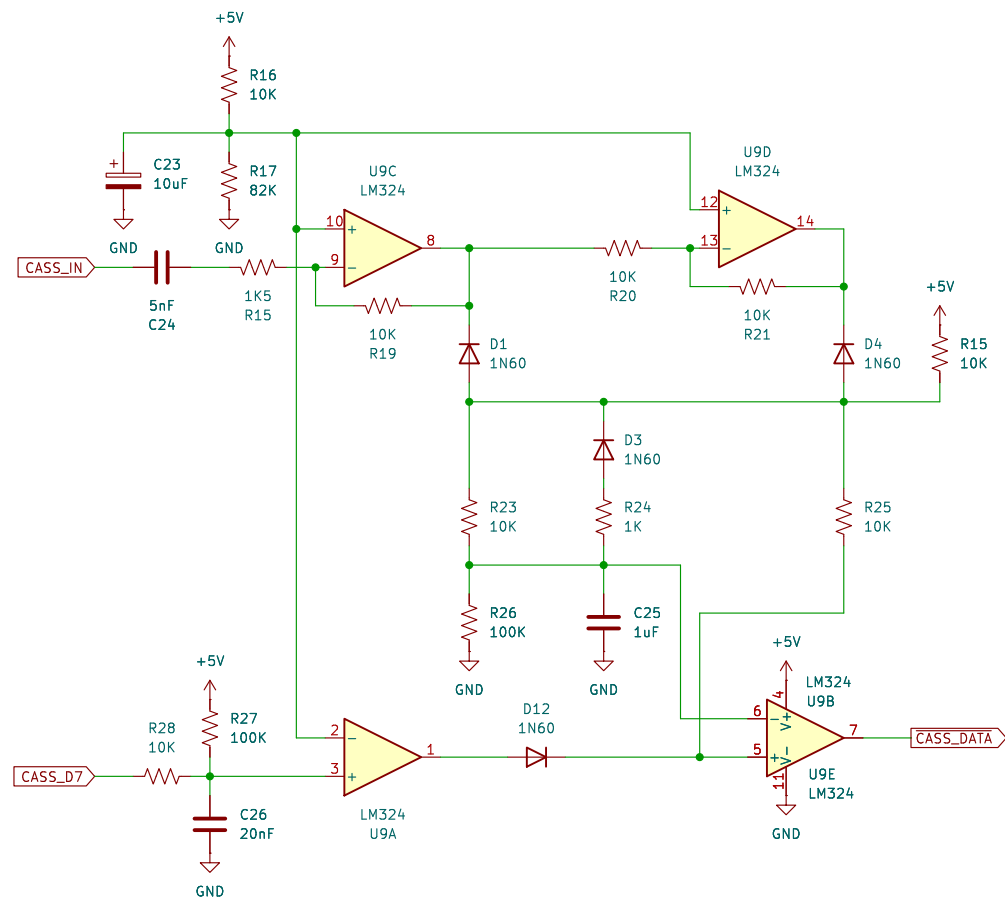
D2 selects cassette output (HIGH) or
sound output (LOW).
D0 and D1 generate two-voice sound
for the cassette or the speaker.

Sheet: /Cassette Interface 1/
File: cassette_interface.kicad_sch

Title: Dick Smith System 80 Video and Cassette

Size: A4 Date: 1980
KiCad E.D.A. 8.0.7

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Sheet: /Cassette Interface 2/
File: cassette_interface_2.kicad_sch

Title: Dick Smith System 80 Video and Cassette

Size: A4 Date: 1980

KiCad E.D.A. 8.0.7

Rev:

Id: 10/10