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SukkoPera

Sheet: /CPU/

File: cpu.sch

Title: LittleSixteen

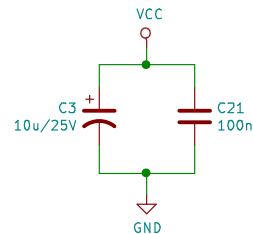
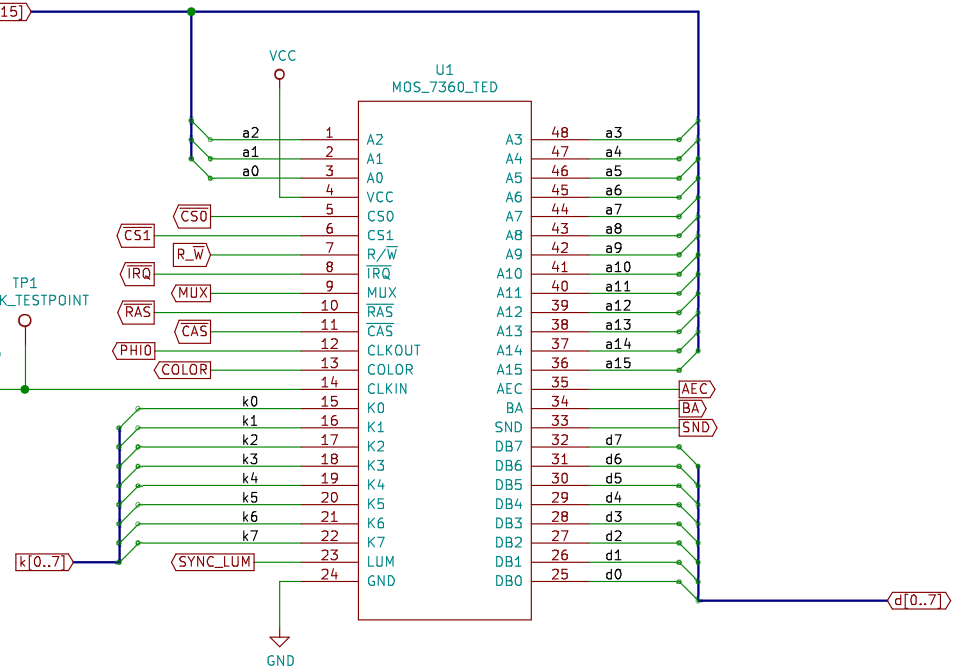
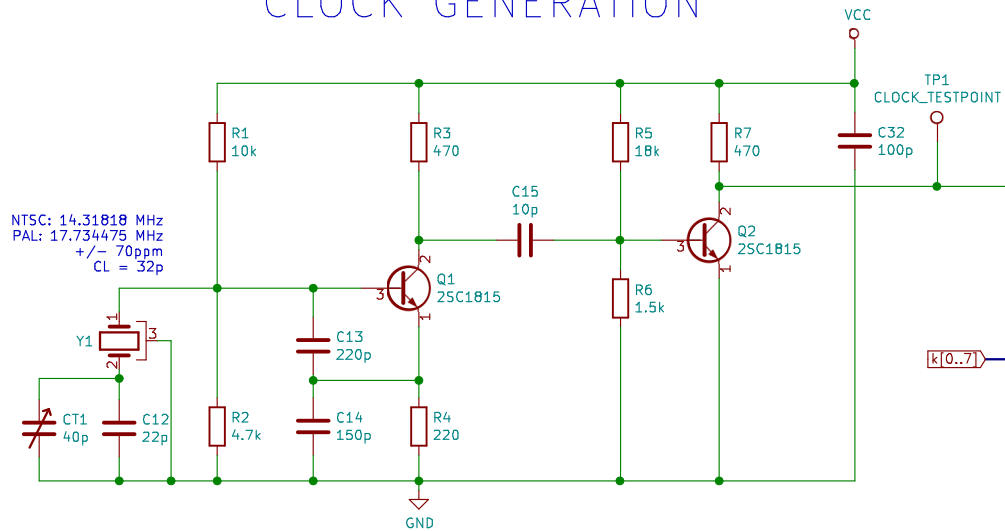
Size: A4 Date: 2020-01-03

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CLOCK GENERATION



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Sheet: /TED/

File: ted.sch

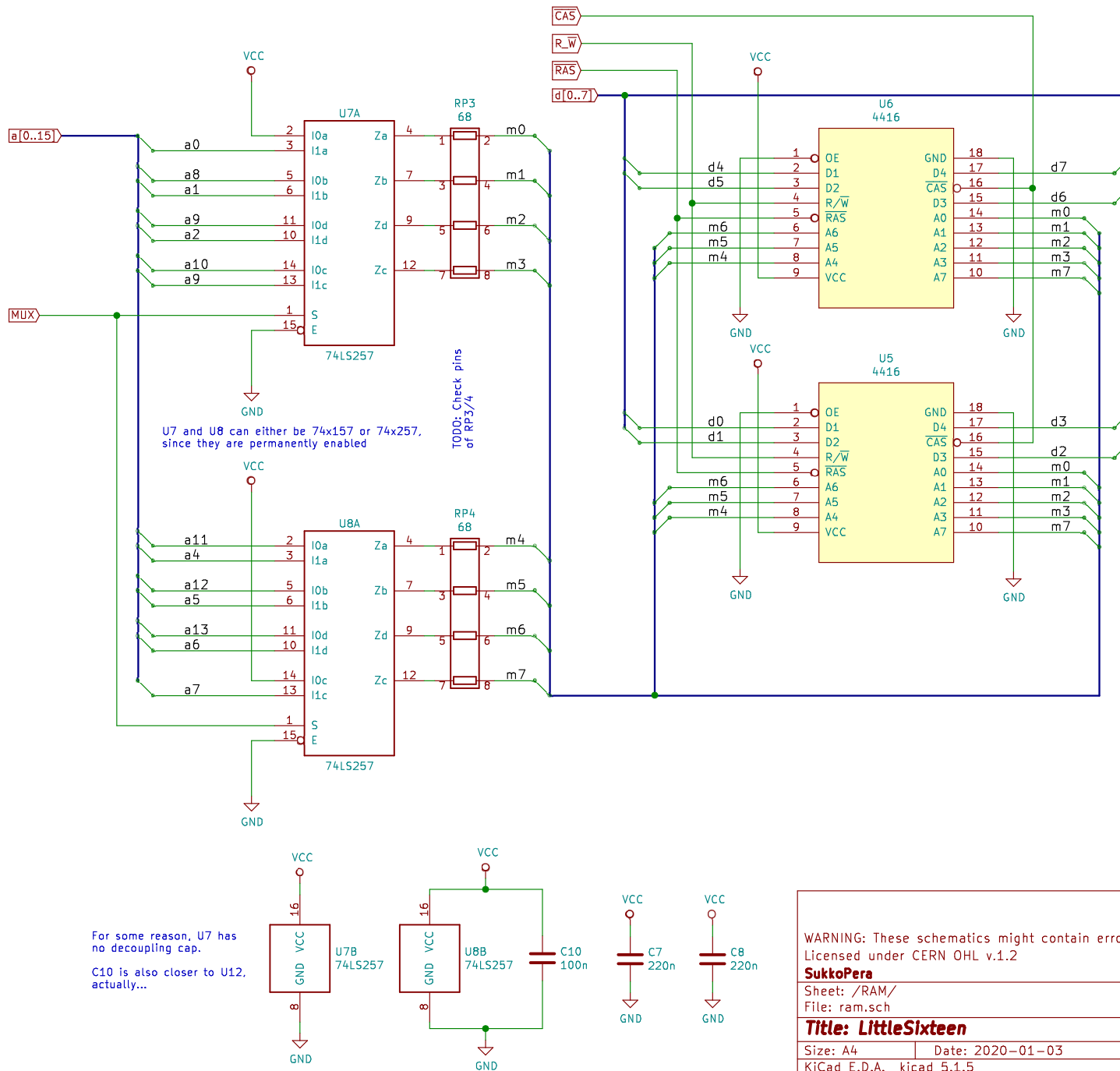
Title: LittleSixteen

Size: A4 Date: 2020-01-03

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Sheet: /RAM/
File: ram.sch

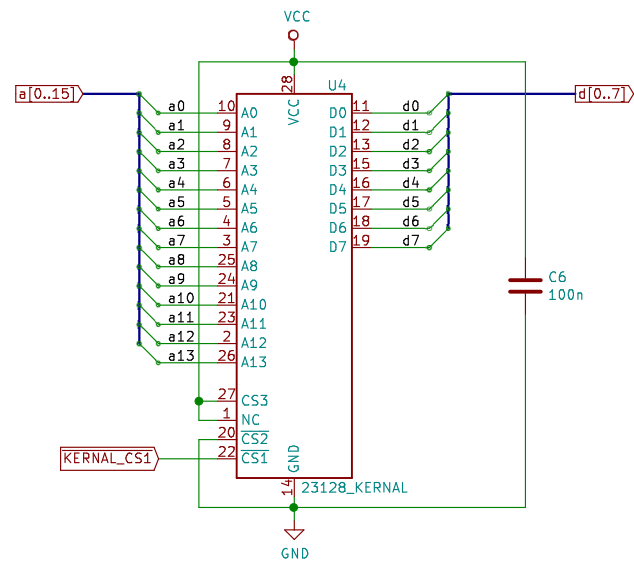
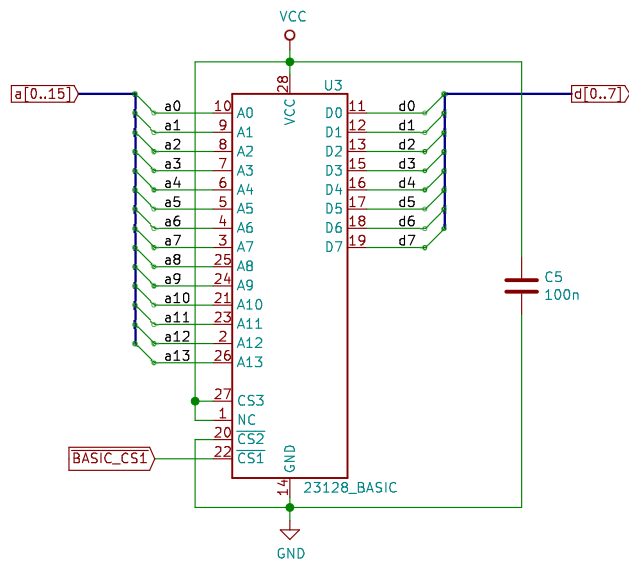
Title: LittleSixteen

Size: A4 Date: 2020-01-03

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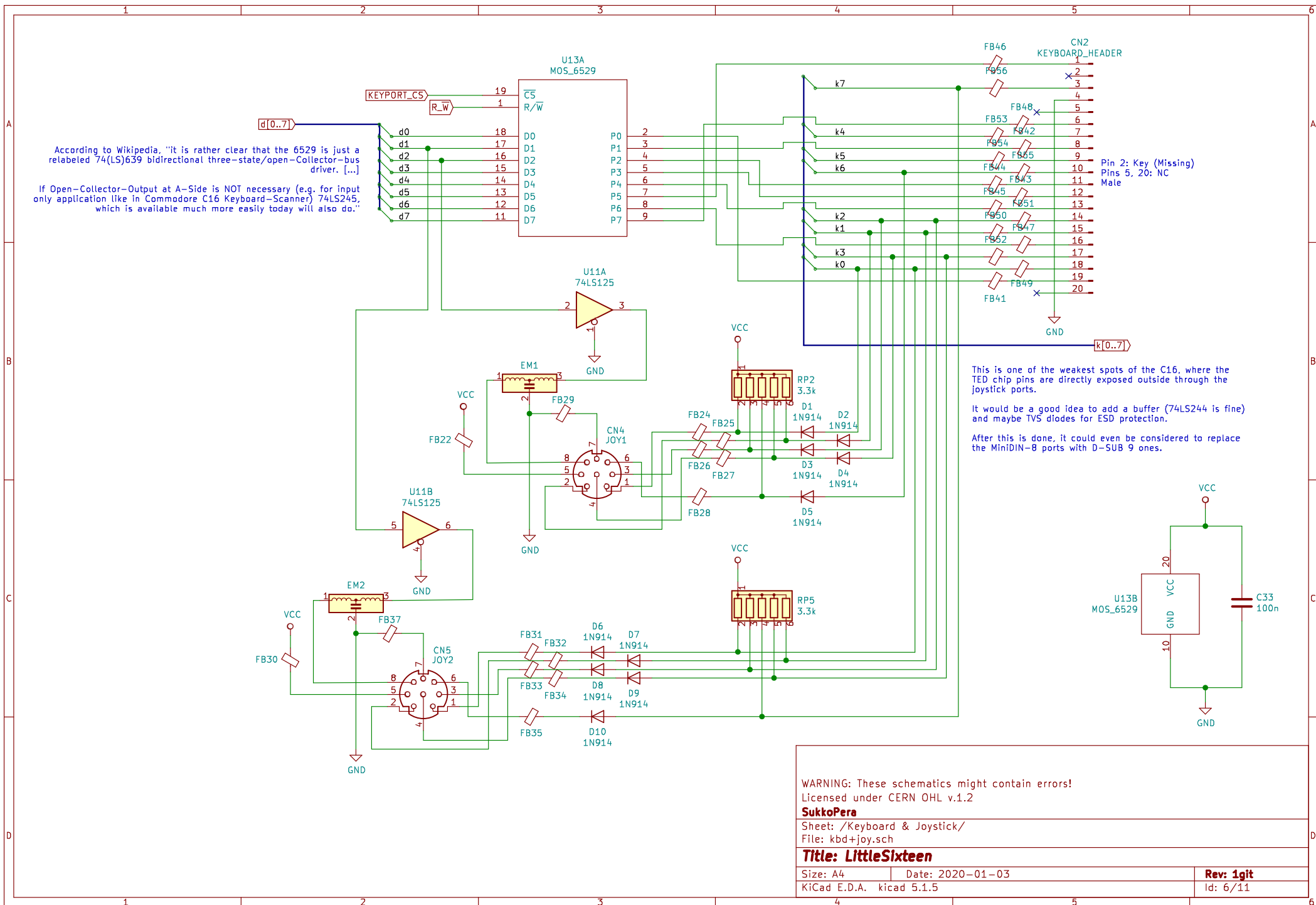
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Sheet: /ROMs/
File: rom.sch

Title: LittleSixteen

Size: A4 Date: 2020-01-03
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According to Wikipedia, "it is rather clear that the 6529 is just a relabeled 74(LS)639 bidirectional three-state/open-Collector-bus driver. [...]"

If Open-Collector-Output at A-Side is NOT necessary (e.g. for input only application like in Commodore C16 Keyboard-Scanner) 74LS245, which is available much more easily today will also do."

This is one of the weakest spots of the C16, where the TED chip pins are directly exposed outside through the joystick ports.

It would be a good idea to add a buffer (74LS244 is fine) and maybe TVS diodes for ESD protection.

After this is done, it could even be considered to replace the MiniDIN-8 ports with D-SUB 9 ones.

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Sheet: /Keyboard & Joystick/
File: kbd+joy.sch

Title: LittleSixteen

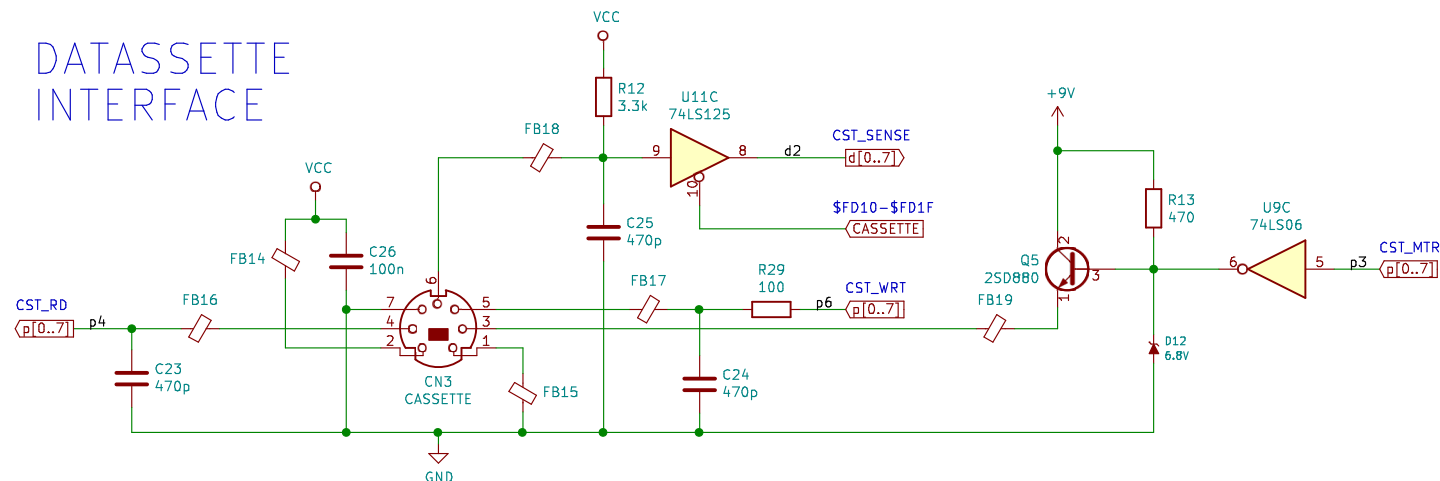
Size: A4 Date: 2020-01-03

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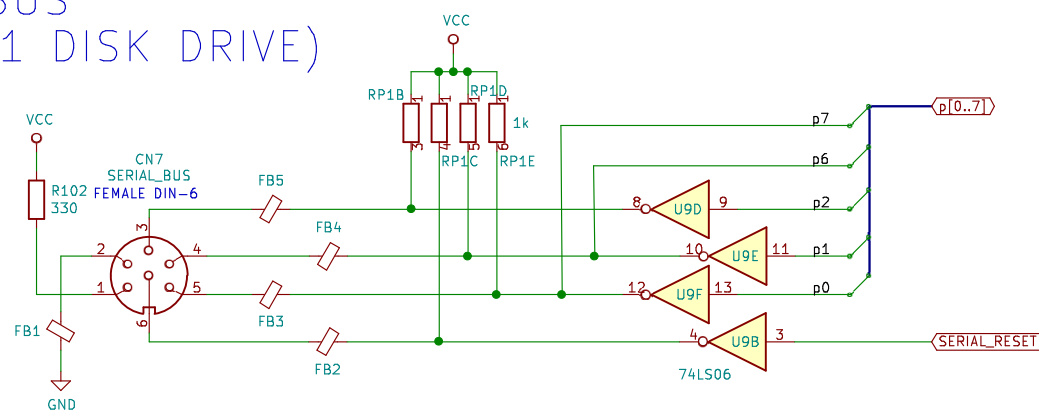
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DATASSETTE INTERFACE



SERIAL BUS (OR 1541 DISK DRIVE)



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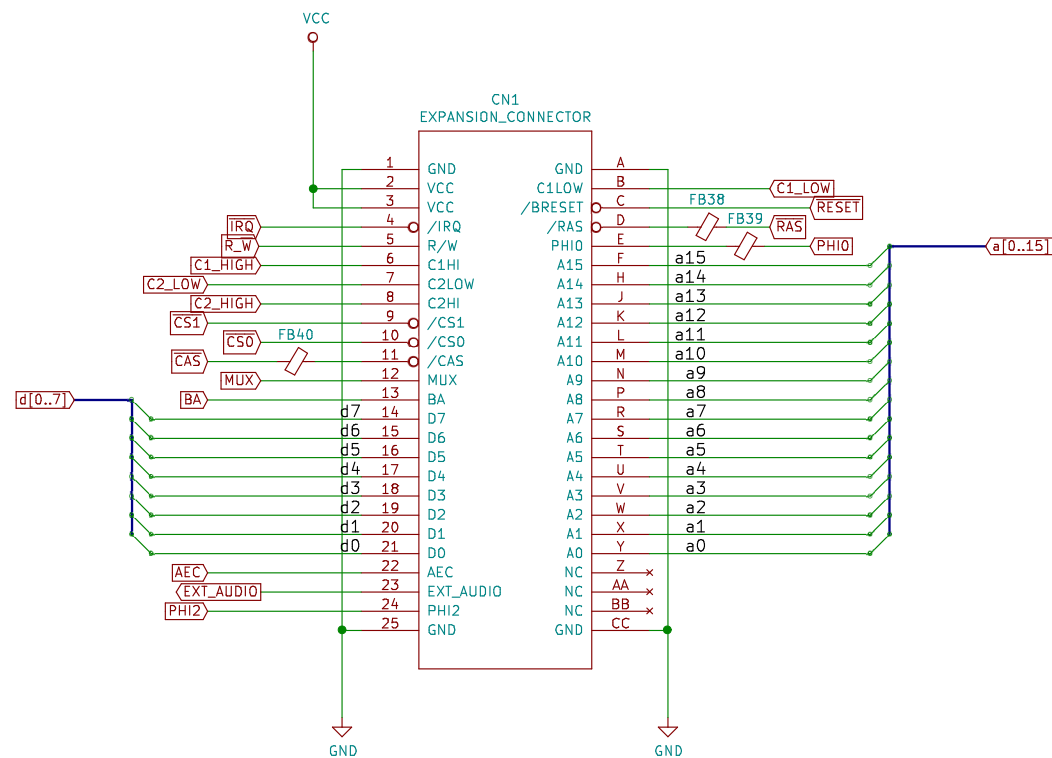
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Sheet: /Datassette & Serial Bus/
File: datassette.sch

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Size: A4 Date: 2020-01-03
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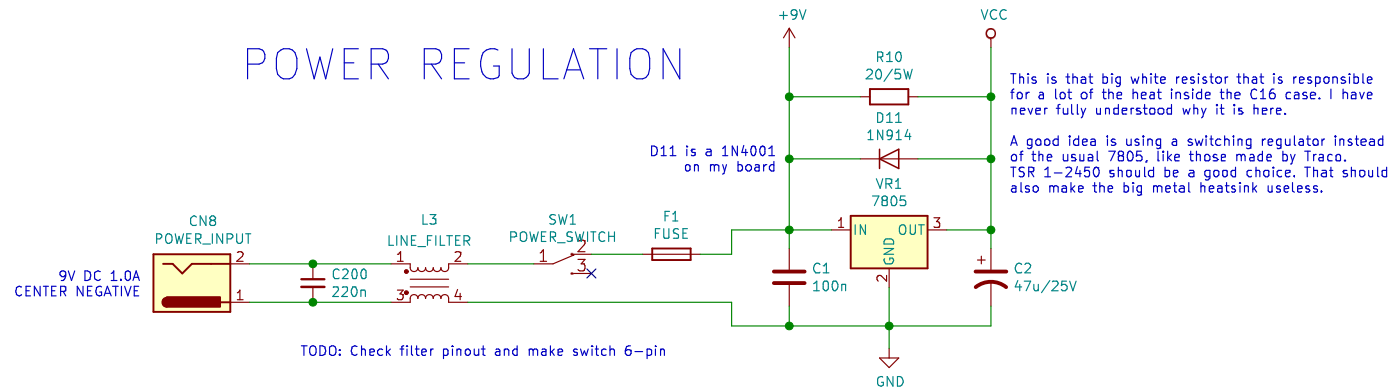
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File: exp_port.sch

Title: LittleSixteen

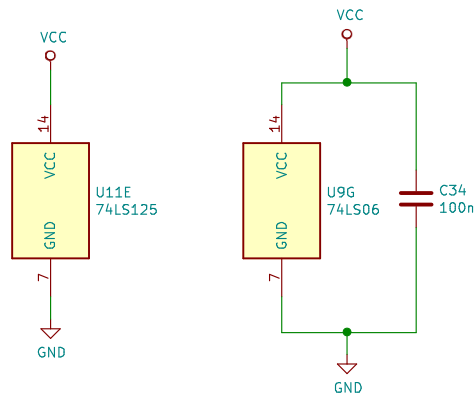
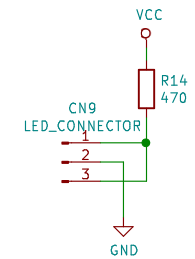
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POWER REGULATION



POWER LED



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Sheet: /Power & Misc/

File: misc.sch

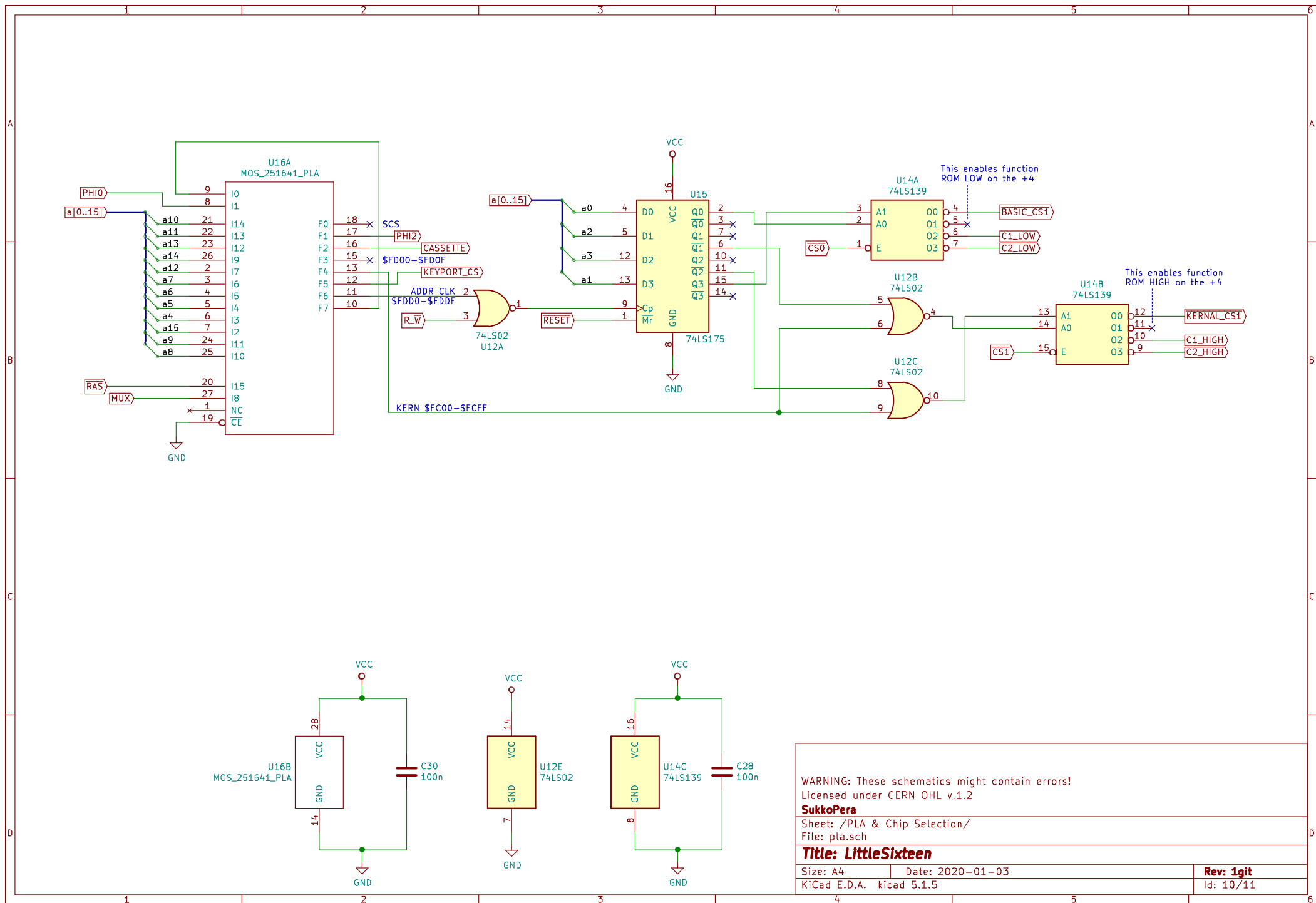
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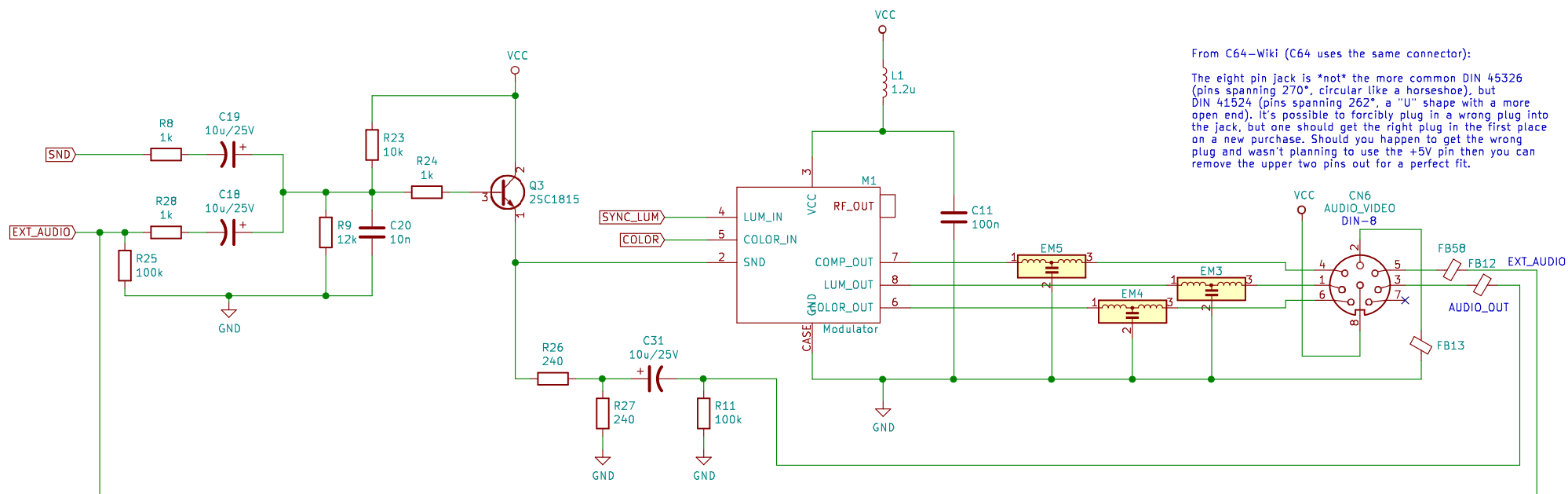
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Sheet: /Audio/Video Output/
File: avout.sch

Title: LittleSixteen

Size: A4 Date: 2020-01-03

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Rev: 1git

Id: 11/11