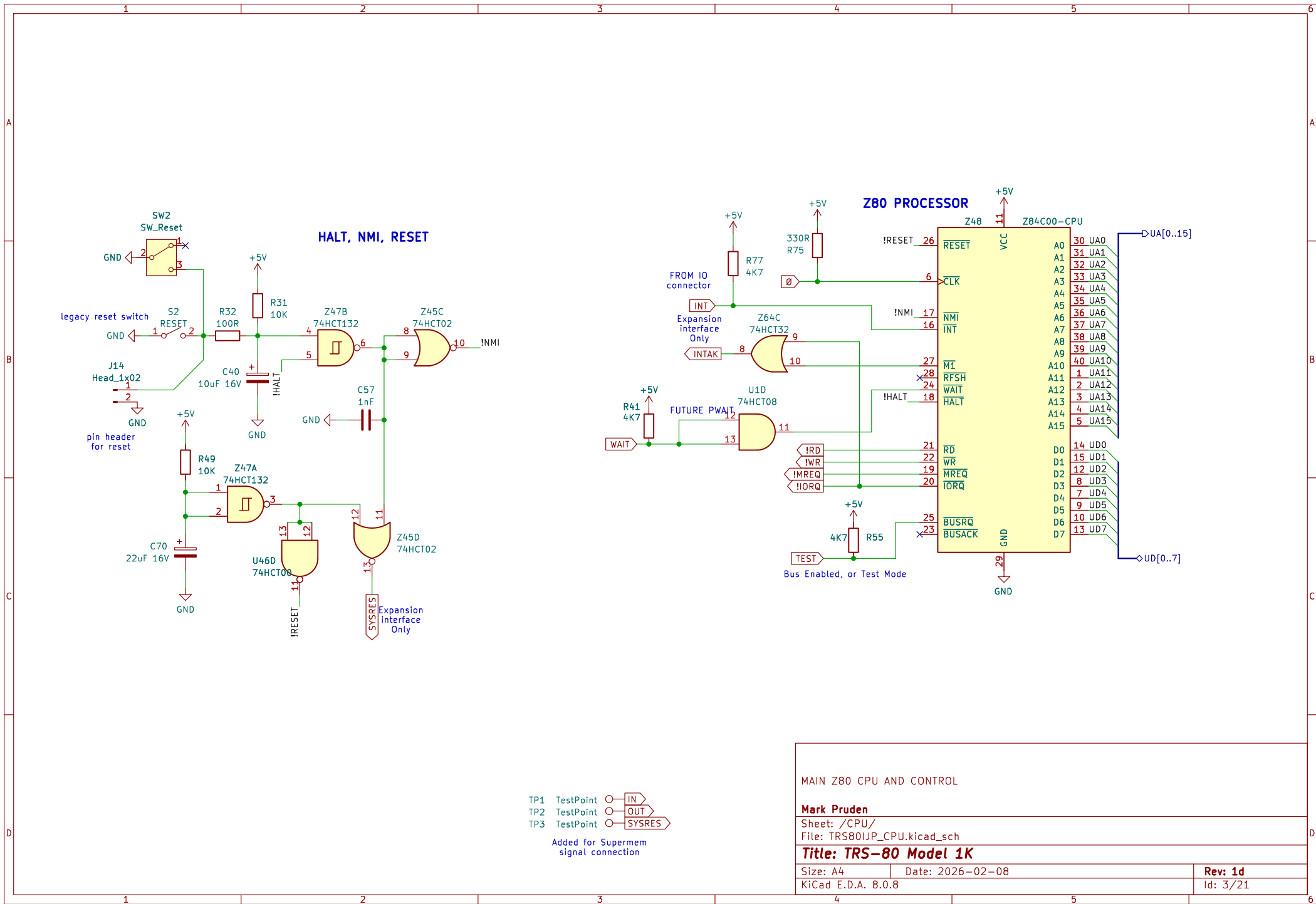
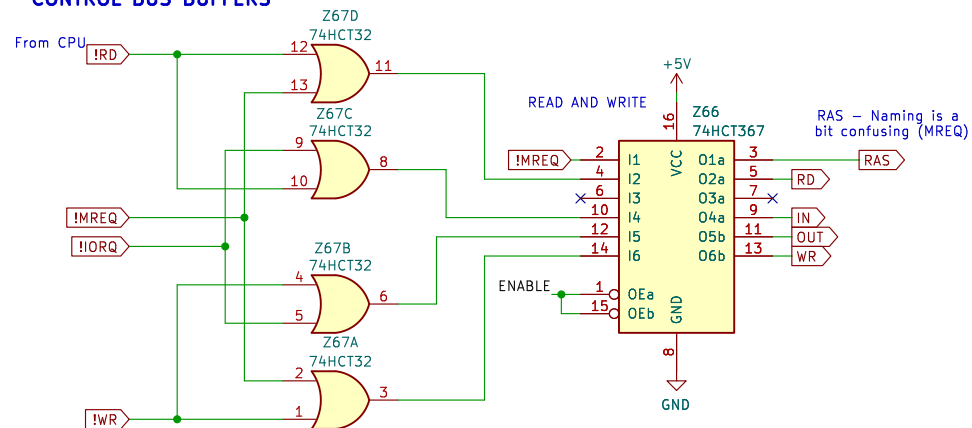


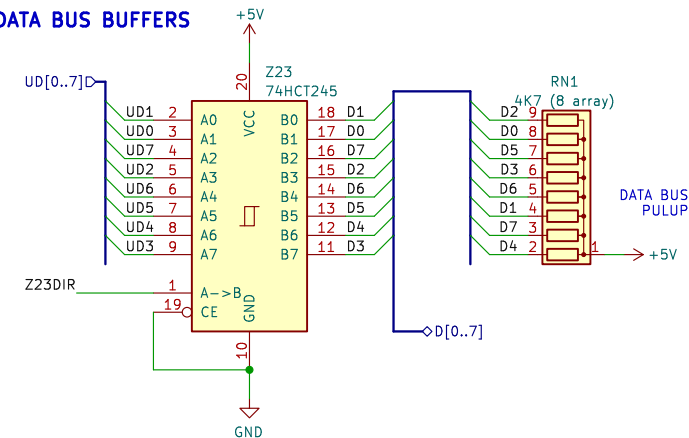
Id: 2/21



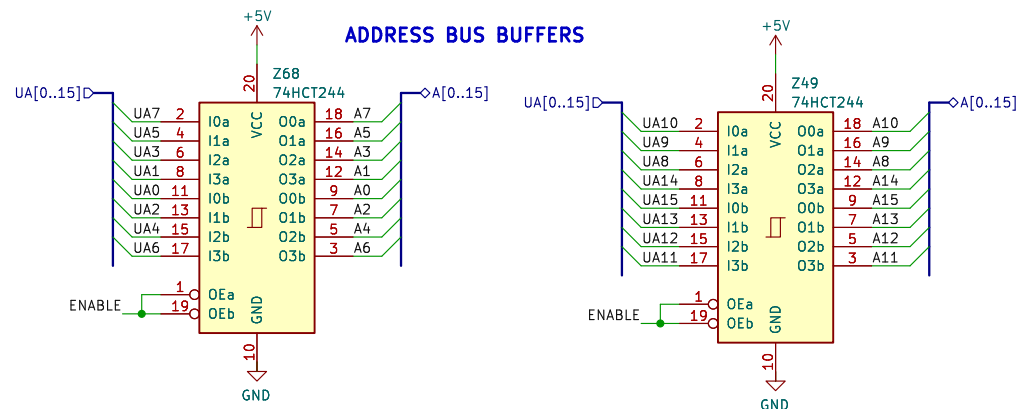
CONTROL BUS BUFFERS



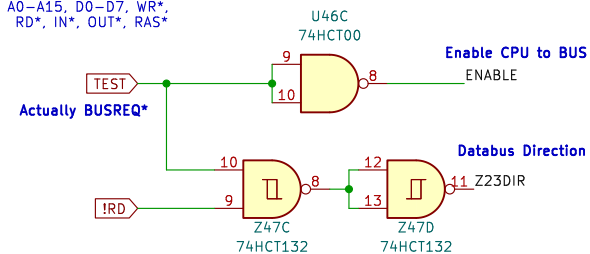
DATA BUS BUFFERS



ADDRESS BUS BUFFERS



A logic 0 on TEST*
input tri-states
A0-A15, D0-D7, WR*,
RD*, IN*, OUT*, RAS*



CPU BUS BUFFERING

Mark Pruden

Sheet: /CPU_BUS/

File: TRS80IJP_MEMORY.kicad_sch

Title: TRS-80 Model 1K

Size: A4

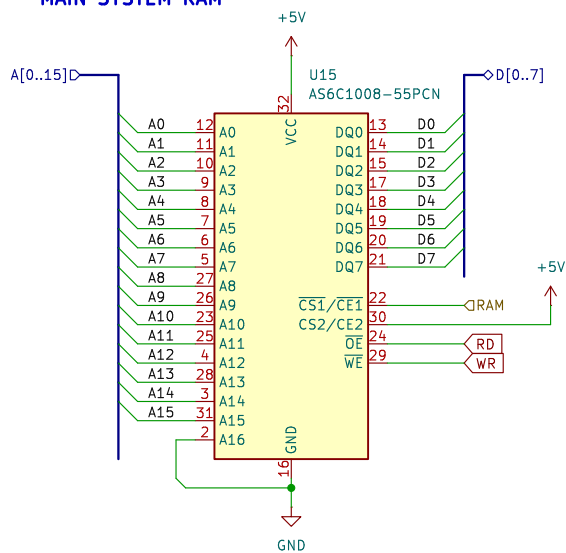
Date: 2026-02-08

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Rev: 1d

Id: 4/21

MAIN SYSTEM RAM



Manufacturer : Alliance Memory, Inc.
Part Number : AS6C1008-55PCN
Description : SRAM - Asynchronous Memory IC 1Mbit Parallel 55 ns 32-SOP

MAIN SYSTEM RAM

Mark Pruden

Sheet: /RAM/
File: TRS80IJP_RAM.kicad_sch

Title: TRS-80 Model 1K

Size: A4 Date: 2026-02-08

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Rev: 1d

Id: 6/21

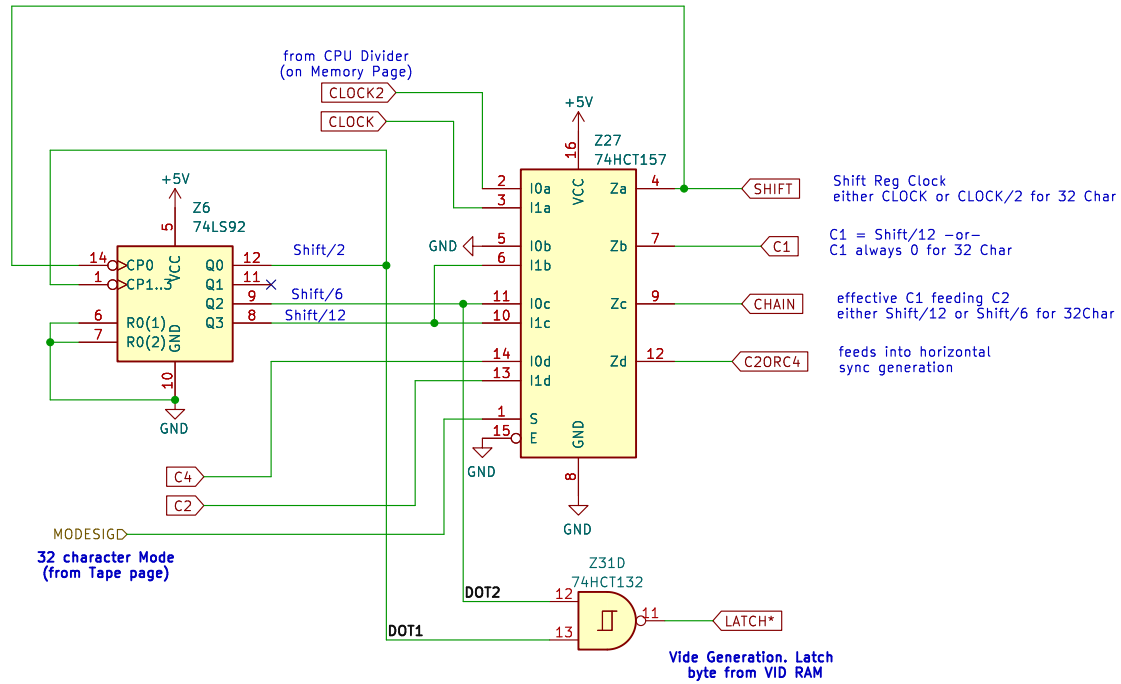


32kB – 28 pin – \$28

128 KB – 32 Pin \$5

Id: 7/21

32 CHAR MODE CONTROL



VIDEO 32 CHARACTER MODE SELECTION

Mark Pruden

Sheet: /VIDEO MODE/
File: TRS80IJP_VIDMODE.kicad_sch

Title: TRS-80 Model 1K

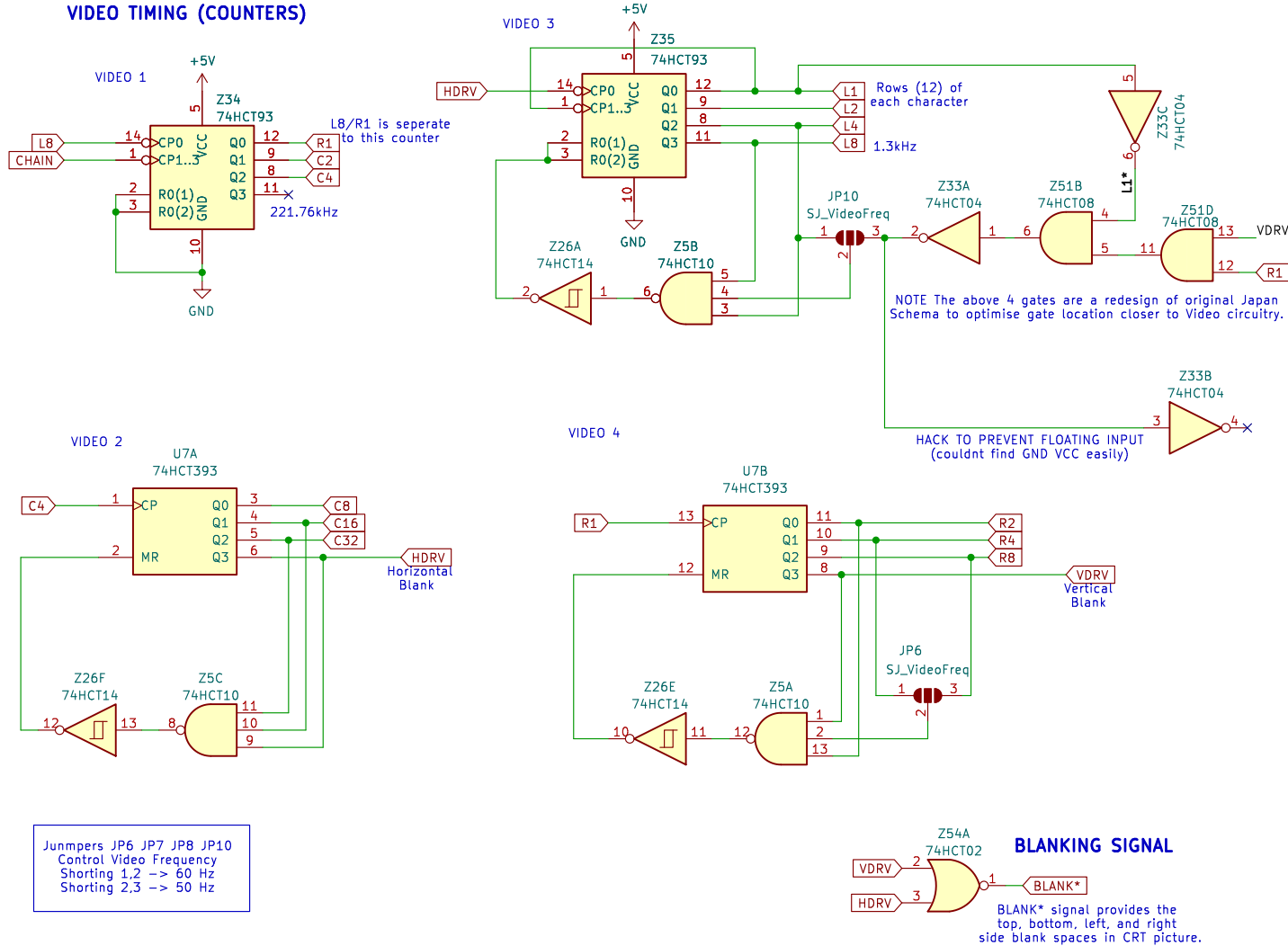
Size: A4 Date: 2026-02-08

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Rev: 1d

Id: 10/21

VIDEO TIMING (COUNTERS)



VIDEO TIMING COUNTERS

Mark Pruden

Sheet: /VIDEO TIMING/
File: TRS80JP_TIMING.kicad_sch

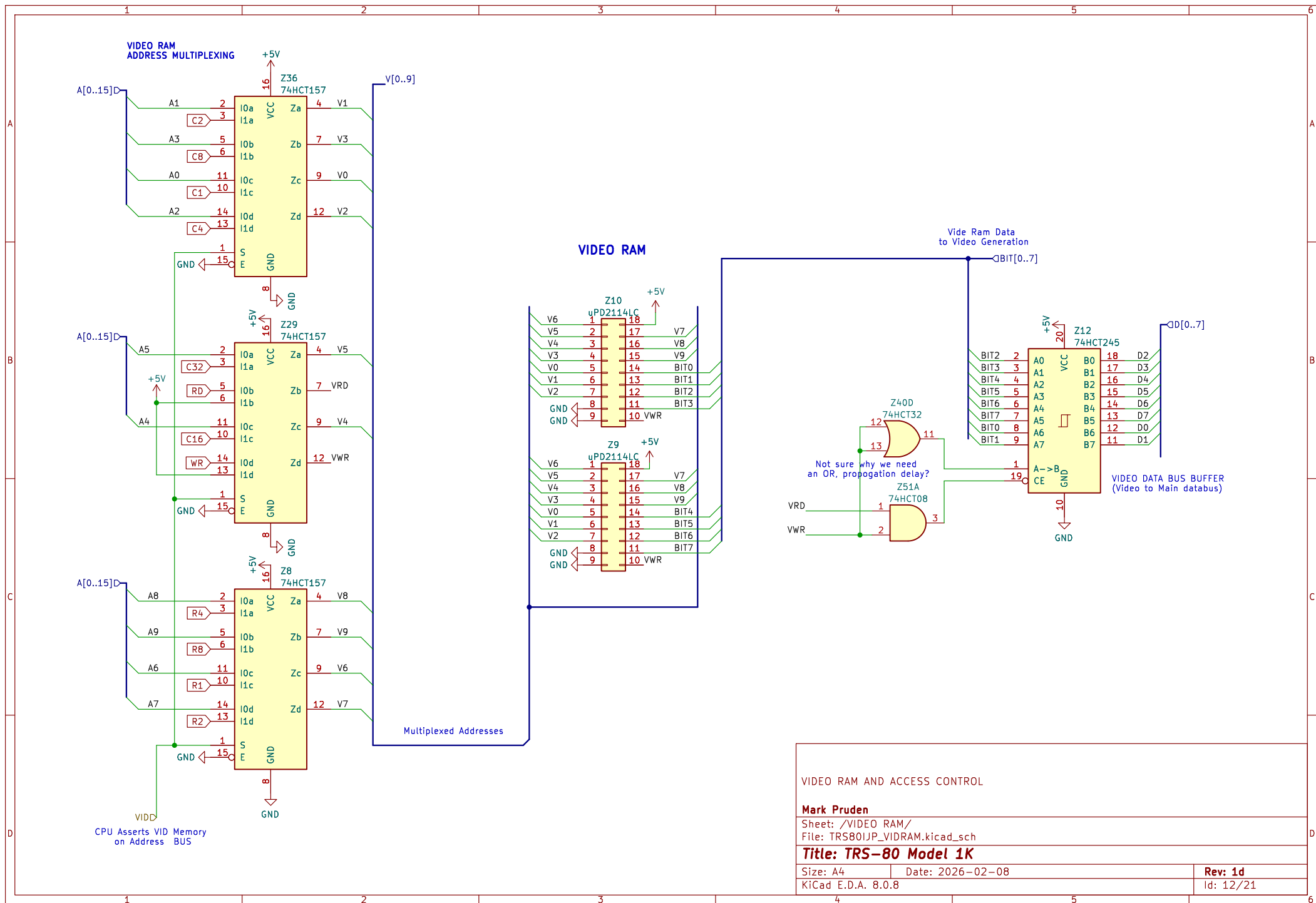
Title: TRS-80 Model 1K

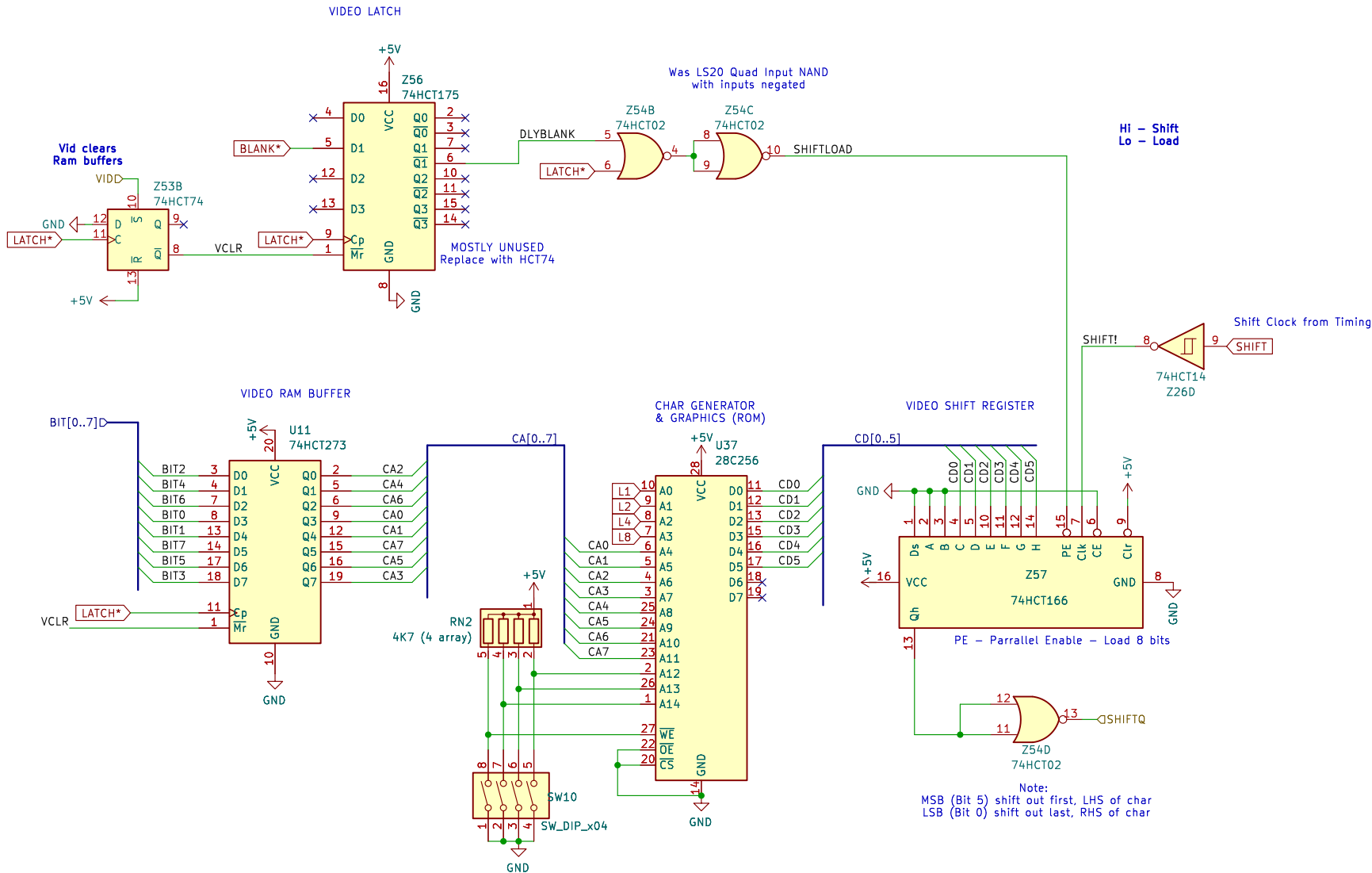
Size: A4 Date: 2026-02-08

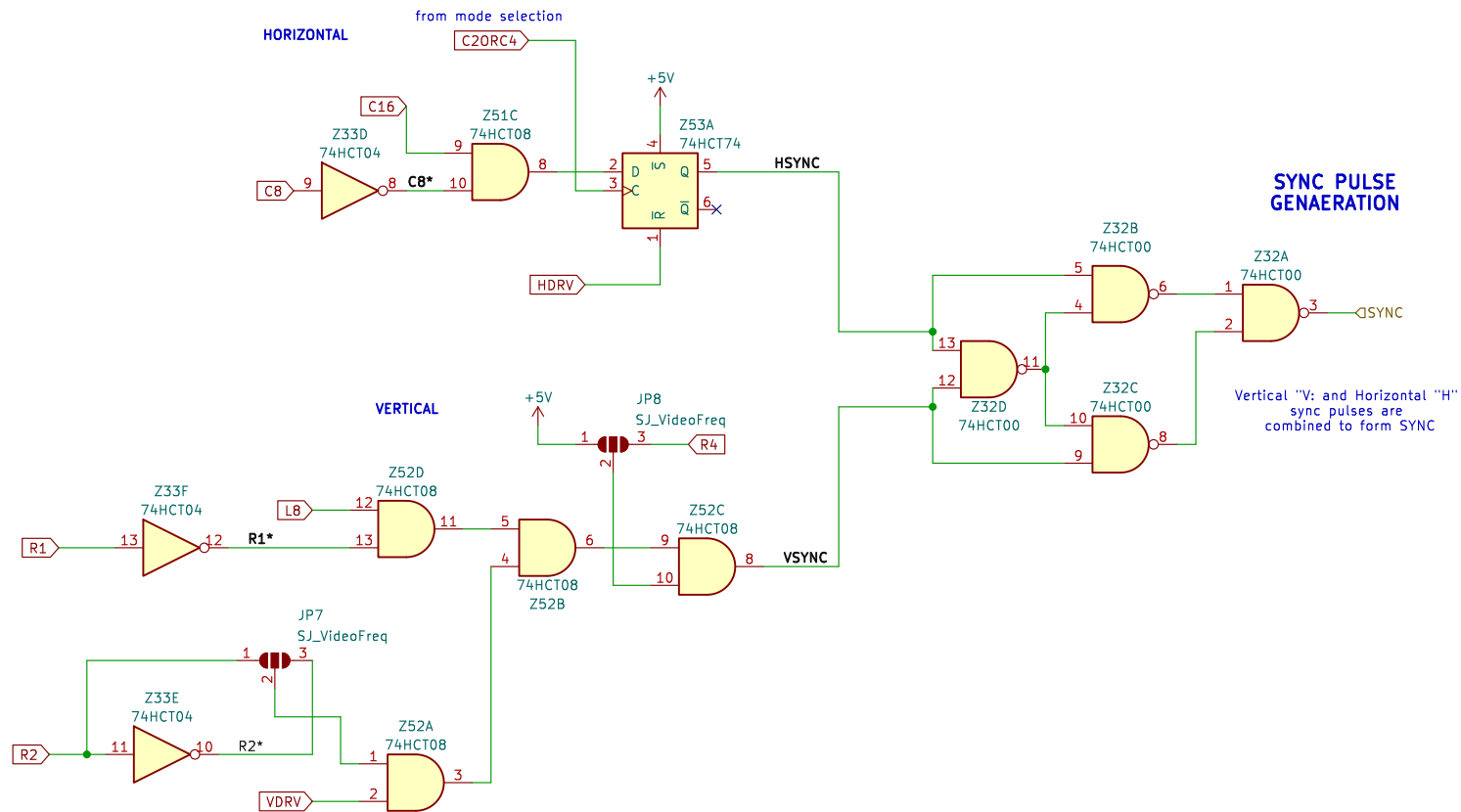
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Rev: 1d

Id: 11/21







Jumpers JP6 JP7 JP8 JP10
Control Video Frequency
Shorting 1,2 -> 60 Hz
Shorting 2,3 -> 50 Hz

VIDEO SYNC GENERATION

Mark Pruden

Sheet: /VIDEO SYNC/
File: TRS80IJP_VIDSYNC.kicad_sch

Title: TRS-80 Model 1K

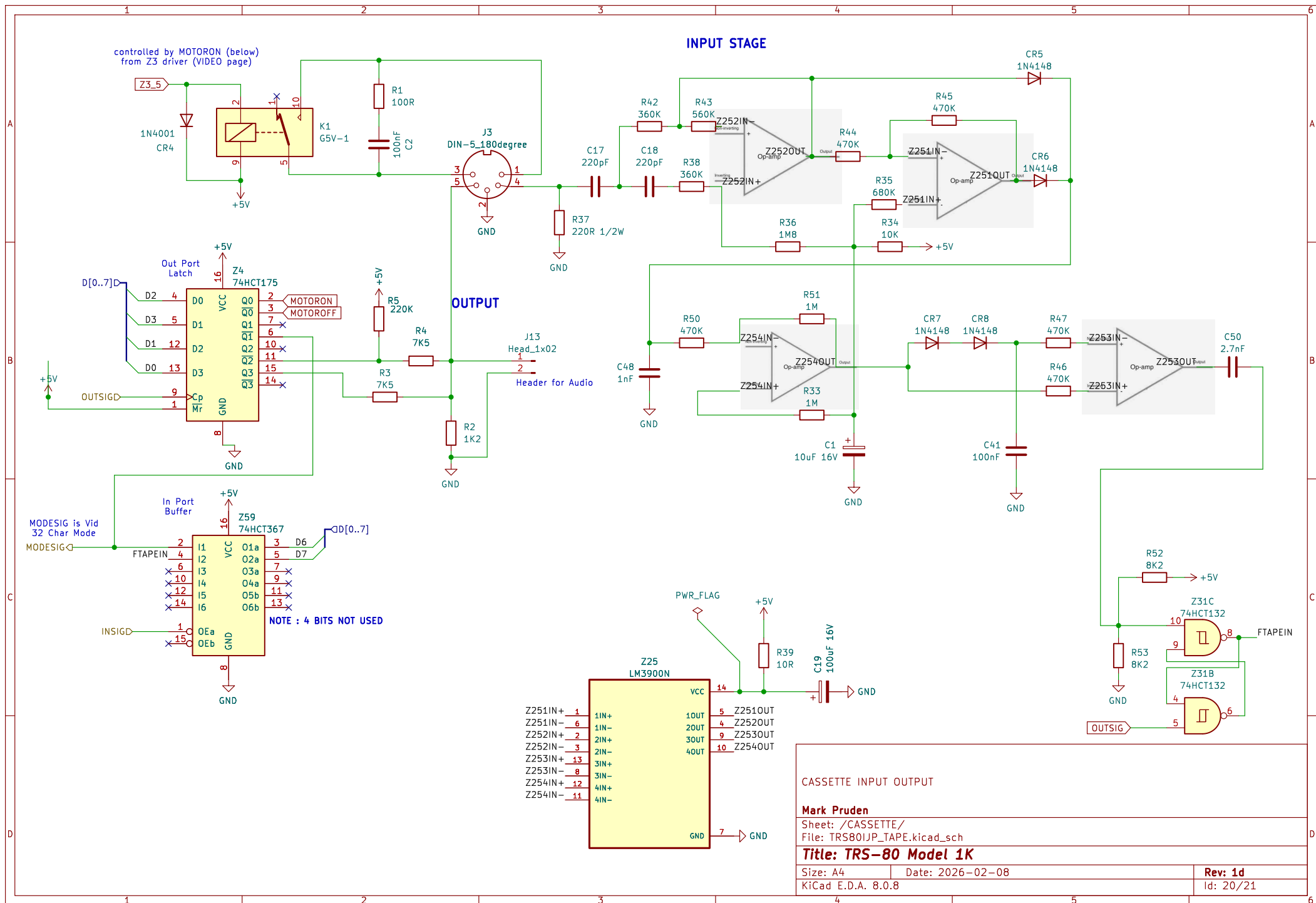
Size: A4 Date: 2026-02-08

KiCad E.D.A. 8.0.8

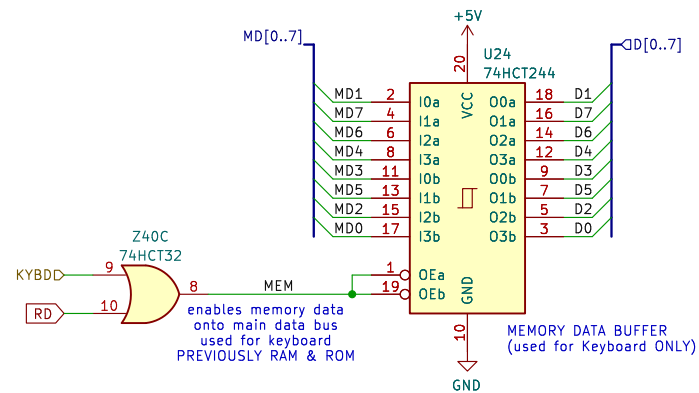
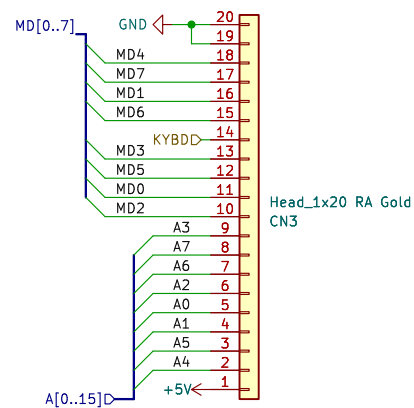
Rev: 1d

Id: 14/21

Id: 15/21



KEYBOARD CONNECTOR



KEYBOARD CONNECTOR AND DATA BUS ACCESS

Mark Pruden

Sheet: /KEYBOARD/
 File: TRS801JP_KB_CONN.kicad_sch

Title: TRS-80 Model 1K

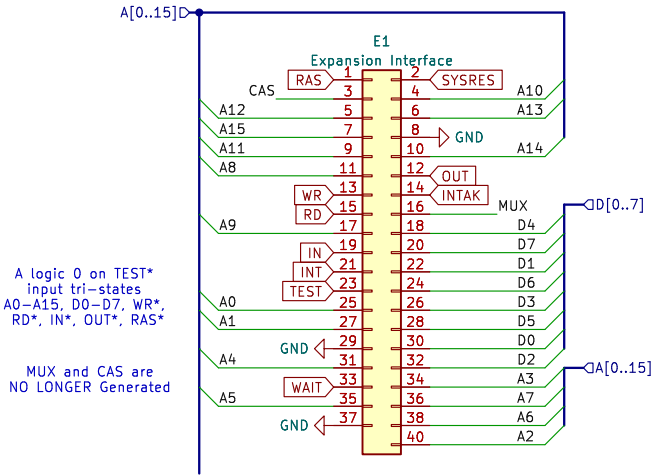
Size: A4 Date: 2026-02-08

KiCad E.D.A. 8.0.8

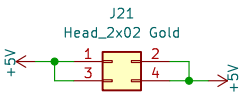
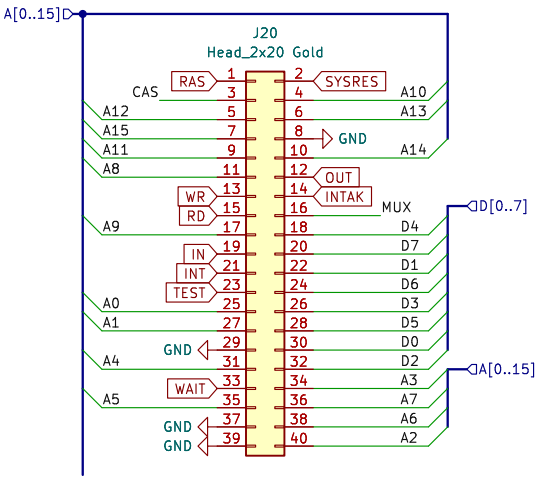
Rev: 1d

Id: 21/21

EXPANSION EDGE CONNECTOR



INTERNAL EXPANSION HEADER



EXPANSION IO CONNECTOR

Mark Pruden
Sheet: /EXPANSION-I-O/
File: TRS80IJP_KEYBOARD.kicad_sch

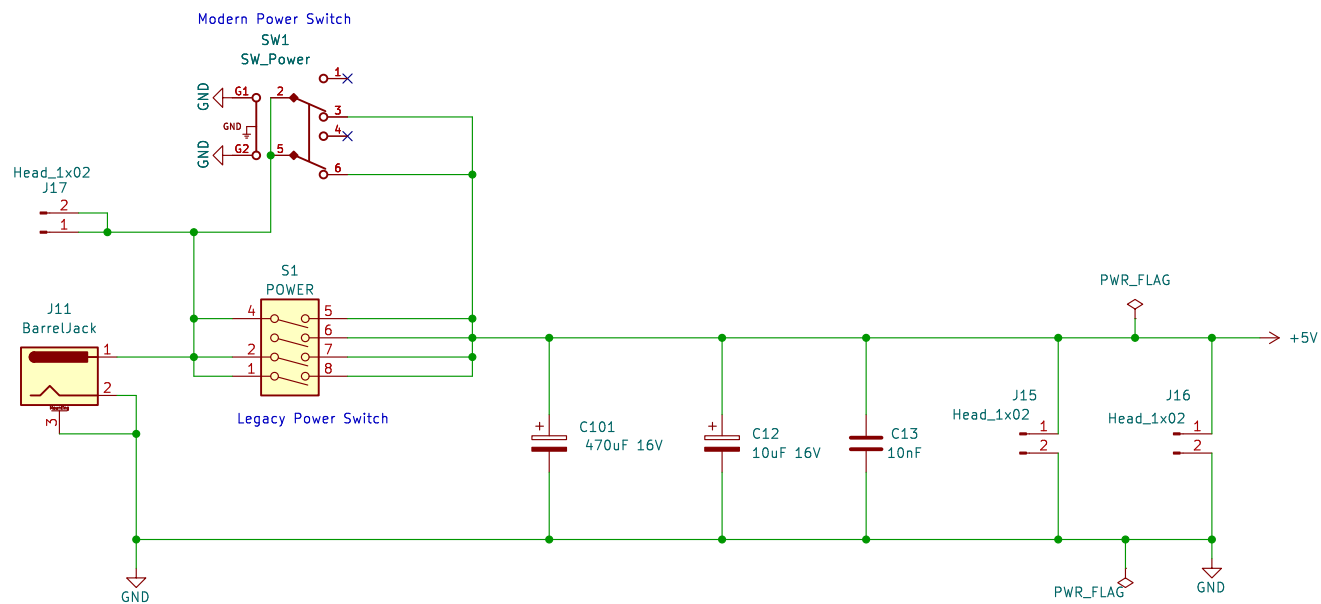
Title: TRS-80 Model 1K

Size: A4 Date: 2026-02-08

KiCad E.D.A. 8.0.8

Rev: 1d

Id: 22/21



POWER INPUT AND SWITCHING

Mark Pruden

Sheet: /POWER/
 File: TRS80IJP_POWER.kicad_sch

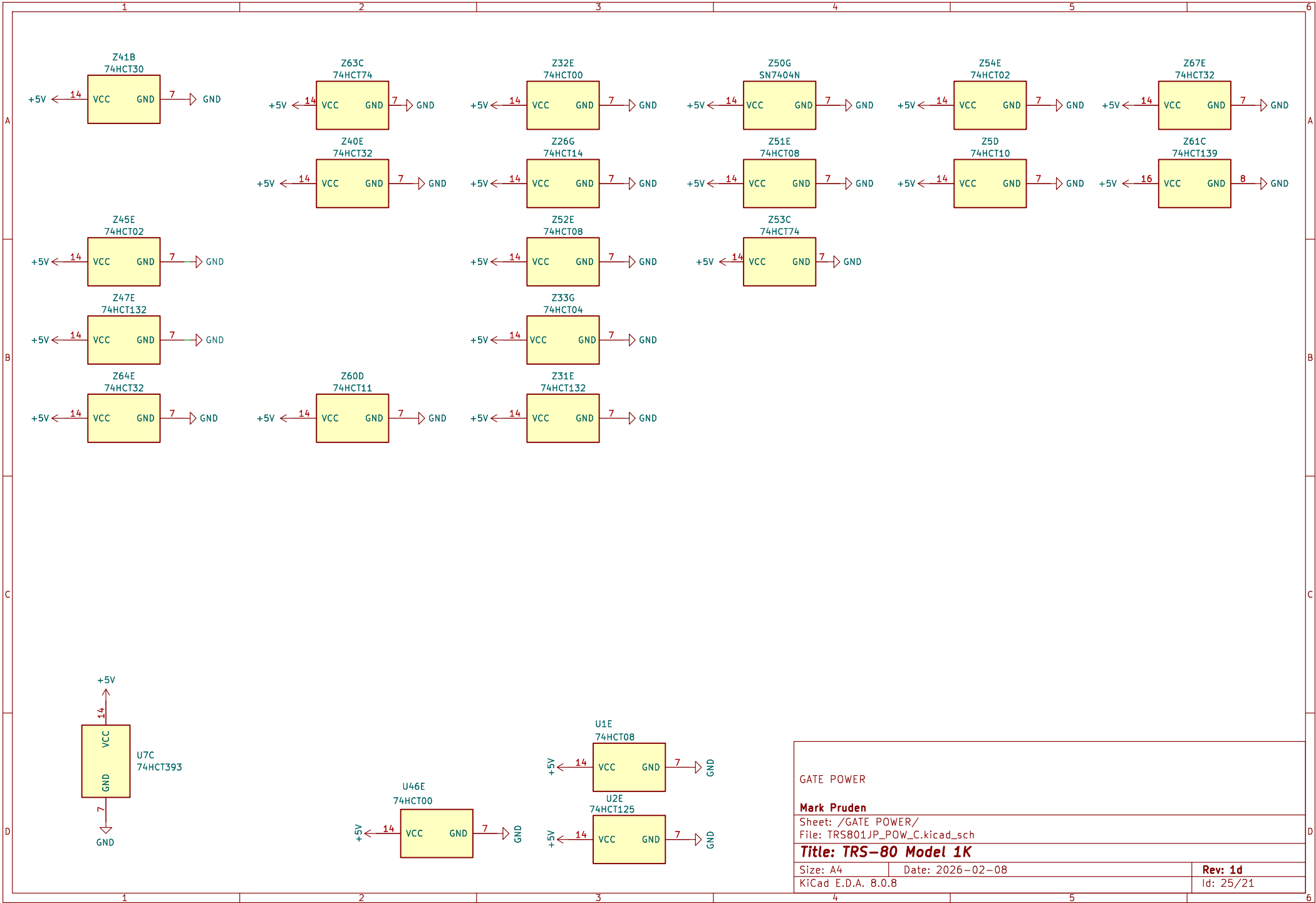
Title: TRS-80 Model 1K

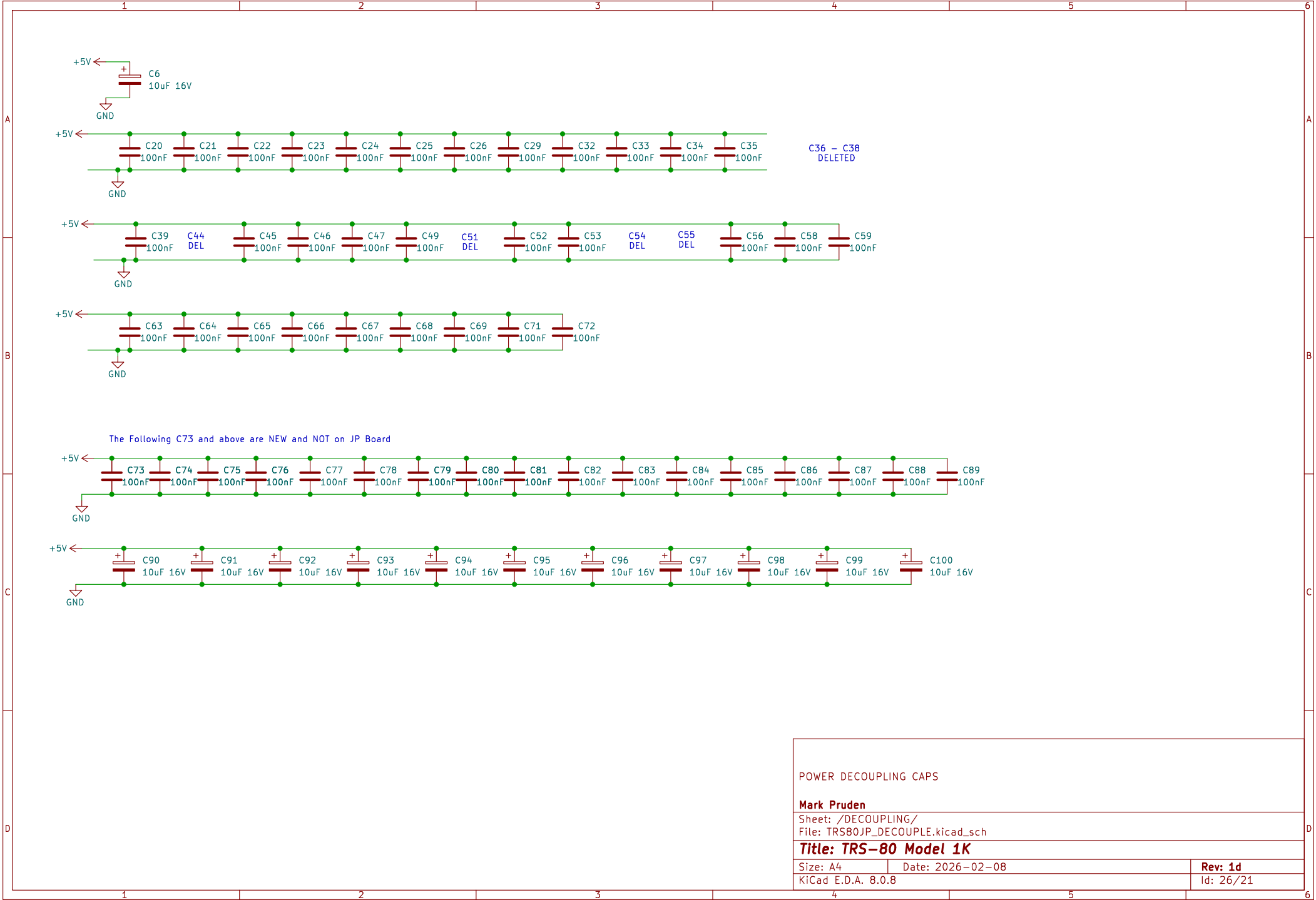
Size: A4 Date: 2026-02-08

KiCad E.D.A. 8.0.8

Rev: 1d

Id: 23/21





POWER DECOUPLING CAPS

Mark Pruden

Sheet: /DECOUPLING/
File: TRS80JP_DECOUPLE.kicad_sch

Title: TRS-80 Model 1K

Size: A4

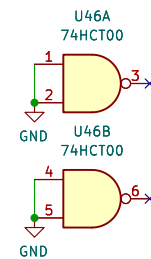
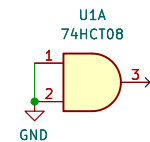
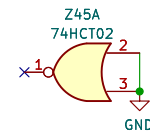
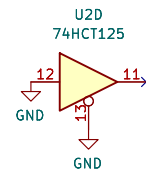
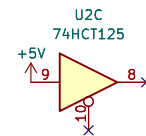
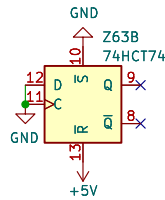
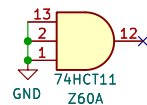
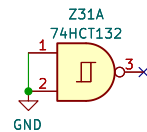
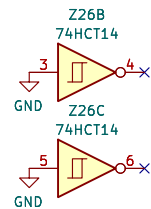
Date: 2026-02-08

Rev: 1d

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Id: 26/21

Spare Gates are SHOWN in general PHYSICAL LOCATION on the Board



UNUSED GATES

Mark Pruden

Sheet: /SPARE GATES/
File: TRS80IJP_SPARE.kicad_sch

Title: TRS-80 Model 1K

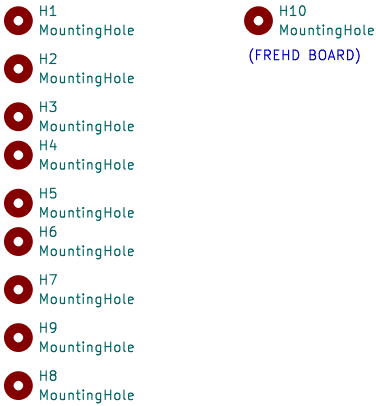
Size: A4 Date: 2026-02-08

KiCad E.D.A. 8.0.8

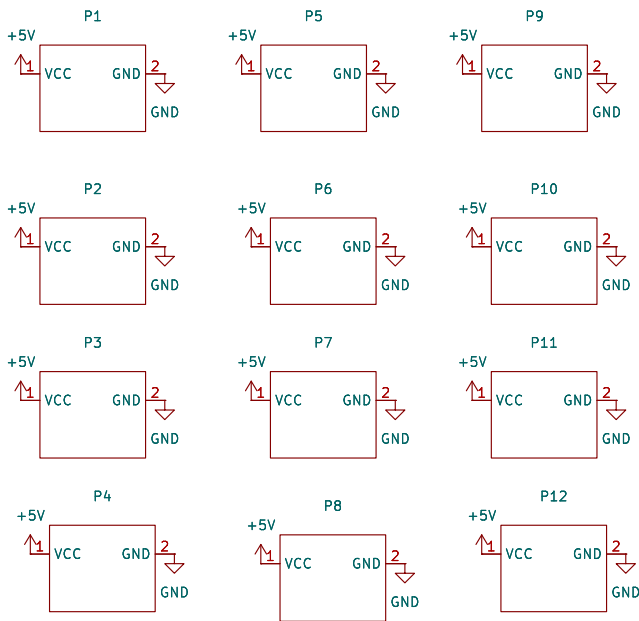
Rev: 1d

Id: 27/21

MOUNTING HOLES



PROTOTYPE AREAS



Jumpers for BOM (only) used to bridge Config Pin Headers

HARDWARE

Mark Pruden

Sheet: /HARDWARE/
File: TRS801JP_HW.kicad_sch

Title: TRS-80 Model 1K

Size: A4

Date: 2026-02-08

Rev: 1d

KiCad E.D.A. 8.0.8

Id: 28/21