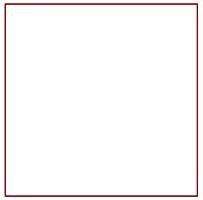
CPLD

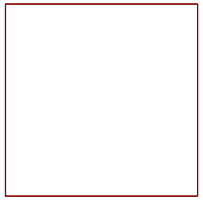
File: cpld.kicad_sch

EAR_MIC



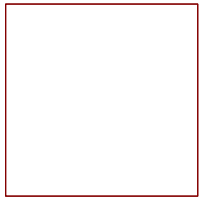
File: ear_mic.kicad_sch

AY_KEMPSTON



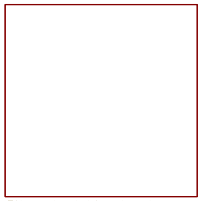
File: ay_kempston.kicad_sch

Video



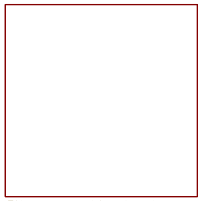
File: video.kicad_sch

Clock



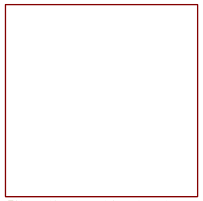
File: clock.kicad_sch

Power



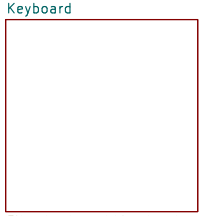
File: power.kicad_sch

divmmc



File: divmmc.kicad_sch

Keyboard



File: keyboard.kicad_sch

RAM-ROM-CPU

File: ram-rom-cpu.kicad_sch

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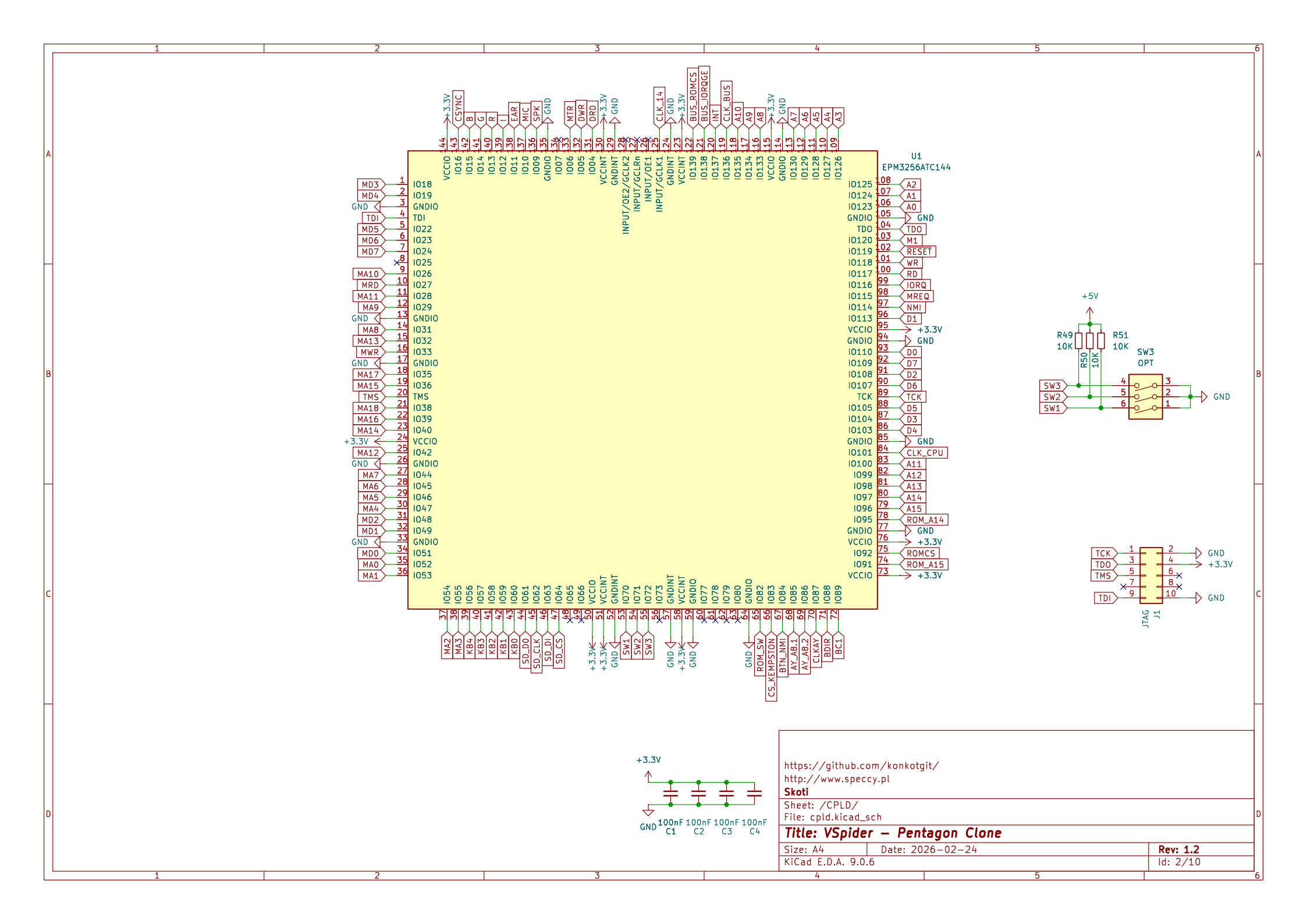
Sheet: /
File: vspider.kicad_sch

Title: VSpider - Pentagon Clone

Size: A4	Date: 2026-02-24	**Rev: 1.2**
KiCad E.D.A. 9.0.6		Id: 1/10



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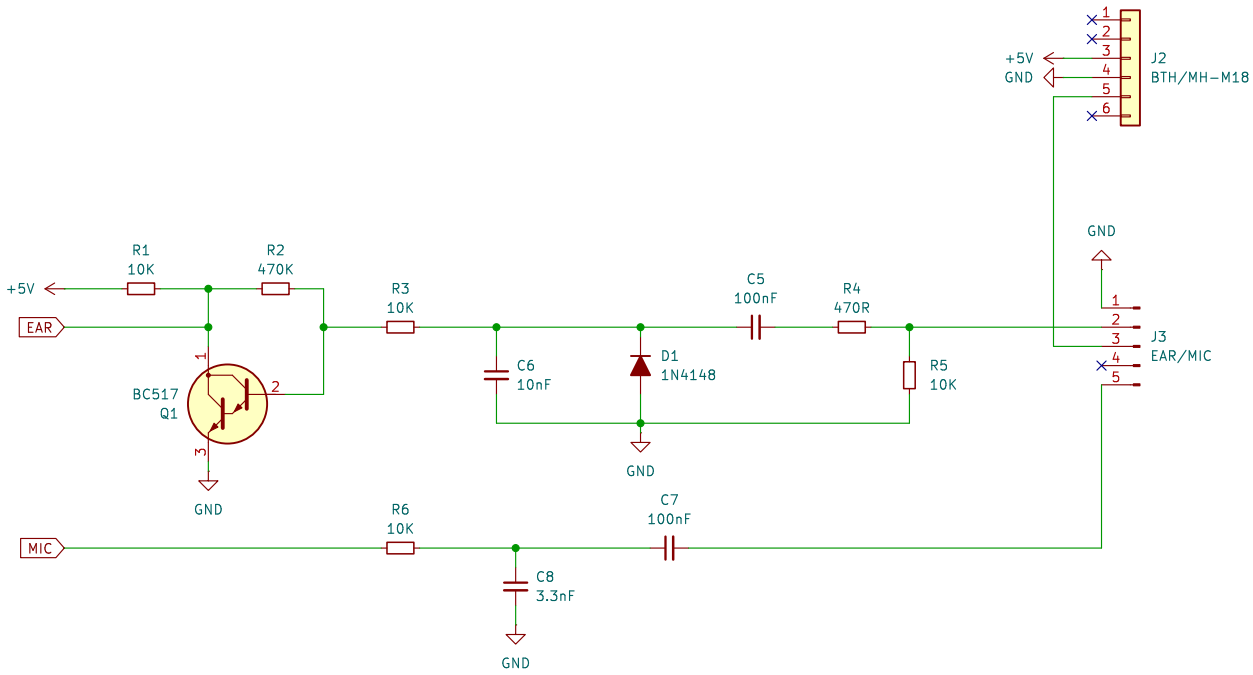
Sheet: /CPLD/
File: cpld.kicad_sch

Title: VSpider – Pentagon Clone

Size: A4	Date: 2026-02-24	**Rev: 1.2**
KiCad E.D.A. 9.0.6		Id: 2/10



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Sheet: /EAR_MIC/
File: ear_mic.kicad_sch

Title: VSpider – Pentagon Clone

Size: A4	Date: 2026-02-24	**Rev: 1.2**
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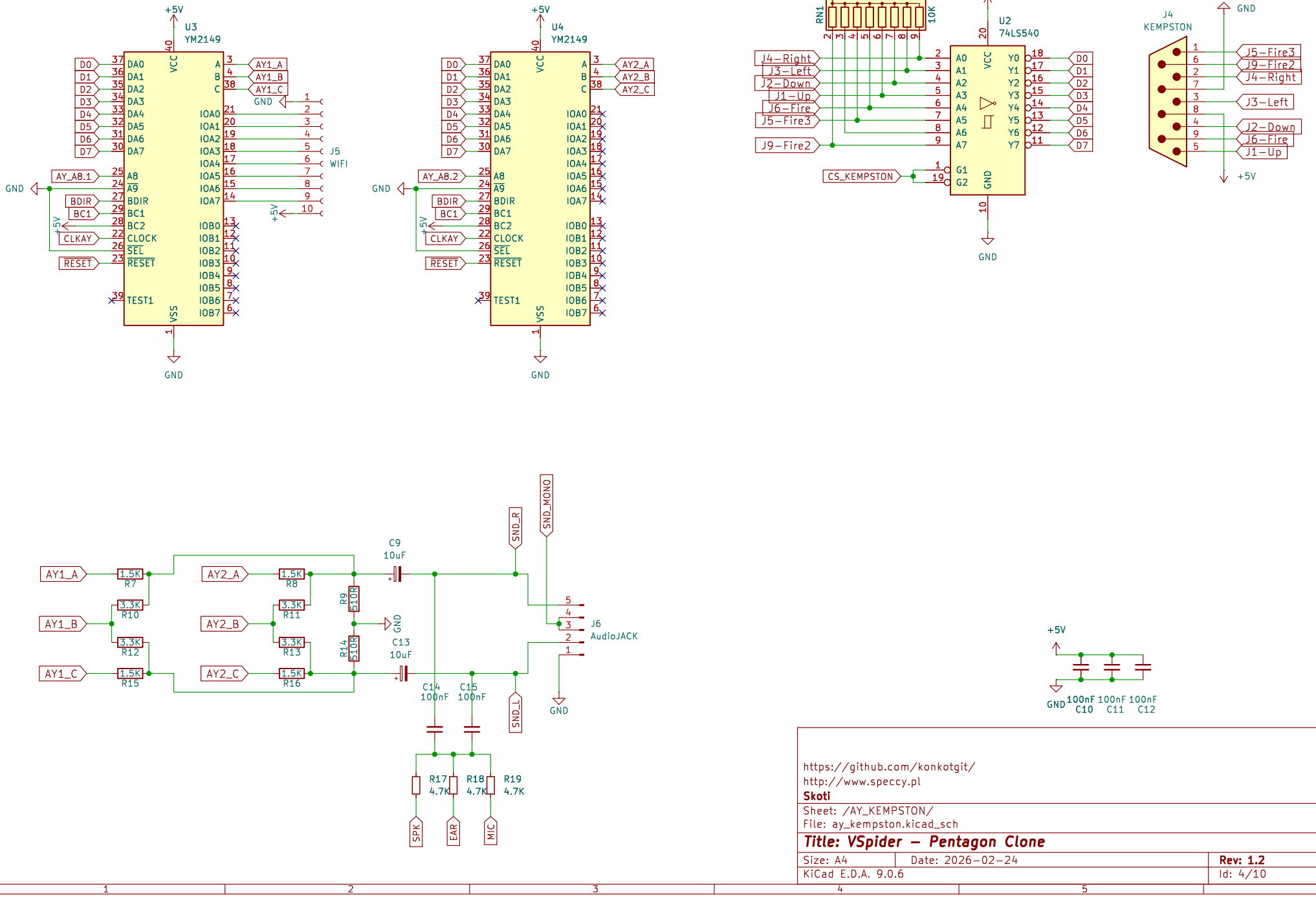

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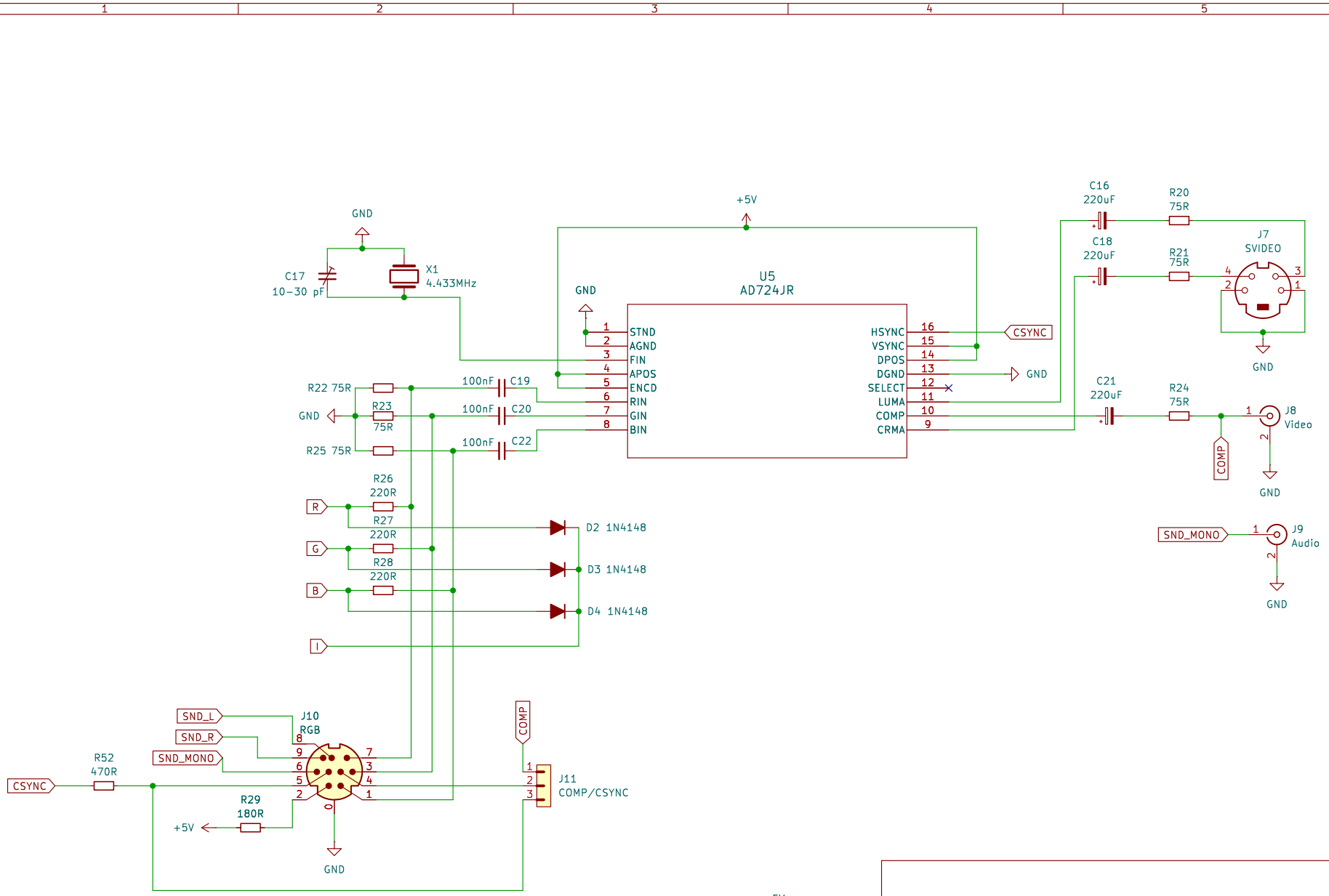
Sheet: /AY_KEMPSTON/
File: ay_kempston.kicad_sch

Title: VSpider – Pentagon Clone

Size: A4	Date: 2026-02-24	**Rev: 1.2**
KiCad E.D.A. 9.0.6		Id: 4/10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C17
10-30 pF
X1
4.433MHz
+5V
U5
AD724JR
GND
1 STND
2 AGND
3 FIN
4 APOS
5 ENCD
6 RIN
7 GIN
8 BIN
HSYNC 16
VSYNC 15
DPOS 14
DGND 13
SELECT 12
LUMA 11
COMP 10
CRMA 9
CSYNC
GND
C16
220uF
R20
75R
C18
220uF
R21
75R
J7
SVIDEO
GND
C21
220uF
R24
75R
J8
Video
COMP
GND
SND_MONO
J9
Audio
GND
R22 75R
R23
75R
R25 75R
100nF C19
100nF C20
100nF C22
R26
220R
R27
220R
R28
220R
R
G
B
I
D2 1N4148
D3 1N4148
D4 1N4148
SND_L
SND_R
SND_MONO
J10
RGB
R52
470R
CSYNC
R29
180R
+5V
GND
COMP
J11
COMP/CSYNC
+5V
C23
100nF
GND
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http://www.speccy.pl
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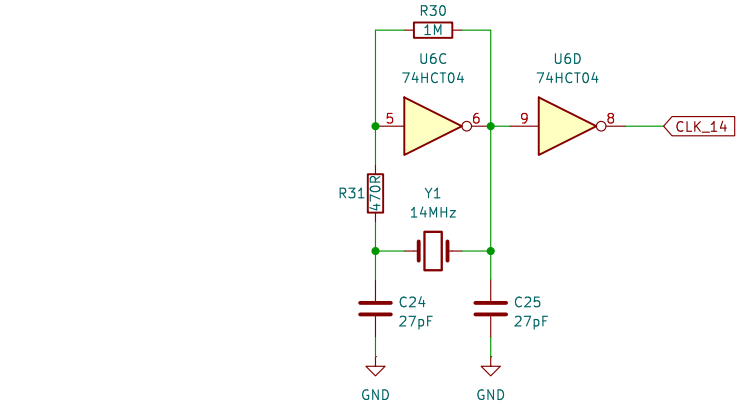
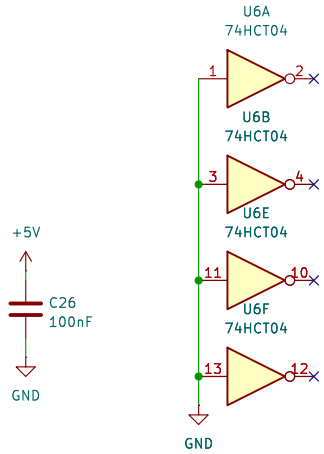
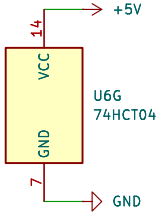
Sheet: /Video/
File: video.kicad_sch
Title: VSpider – Pentagon Clone
Size: A4
Date: 2026-02-24
Rev: 1.2
KiCad E.D.A. 9.0.6
Id: 5/10







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Sheet: /Clock/
File: clock.kicad_sch

Title: VSpider – Pentagon Clone

Size: A4	Date: 2026-02-24	**Rev: 1.2**
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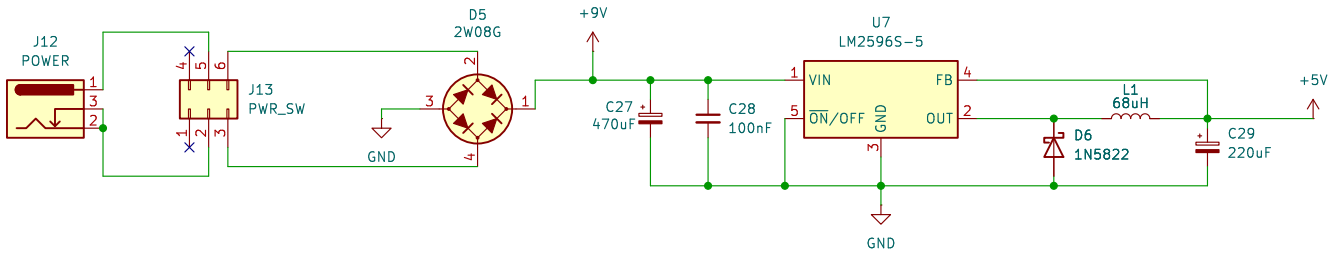

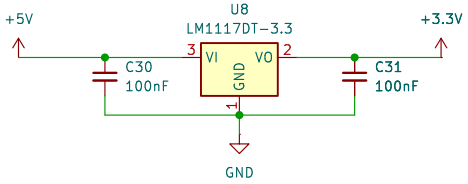

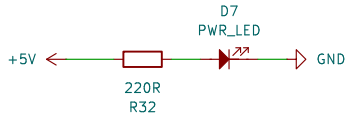

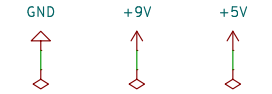

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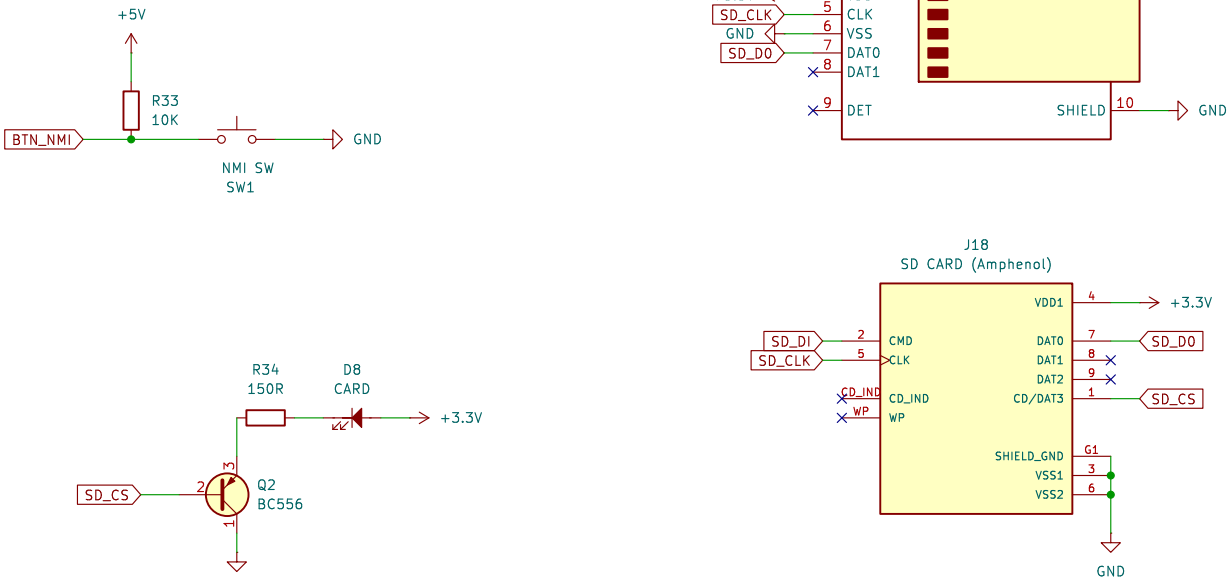
Sheet: /Power/
File: power.kicad_sch

Title: VSpider – Pentagon Clone

Size: A4	Date: 2026-02-24	**Rev: 1.2**
KiCad E.D.A. 9.0.6		Id: 7/10



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Sheet: /divmmc/
File: divmmc.kicad_sch

Title: VSpider – Pentagon Clone

Size: A4	Date: 2026-02-24	**Rev: 1.2**
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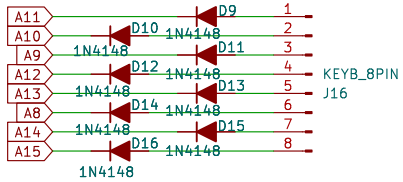

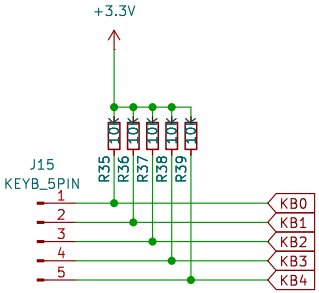

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Sheet: /Keyboard/
File: keyboard.kicad_sch

Title: VSpider – Pentagon Clone

Size: A4	Date: 2026-02-24	**Rev: 1.2**
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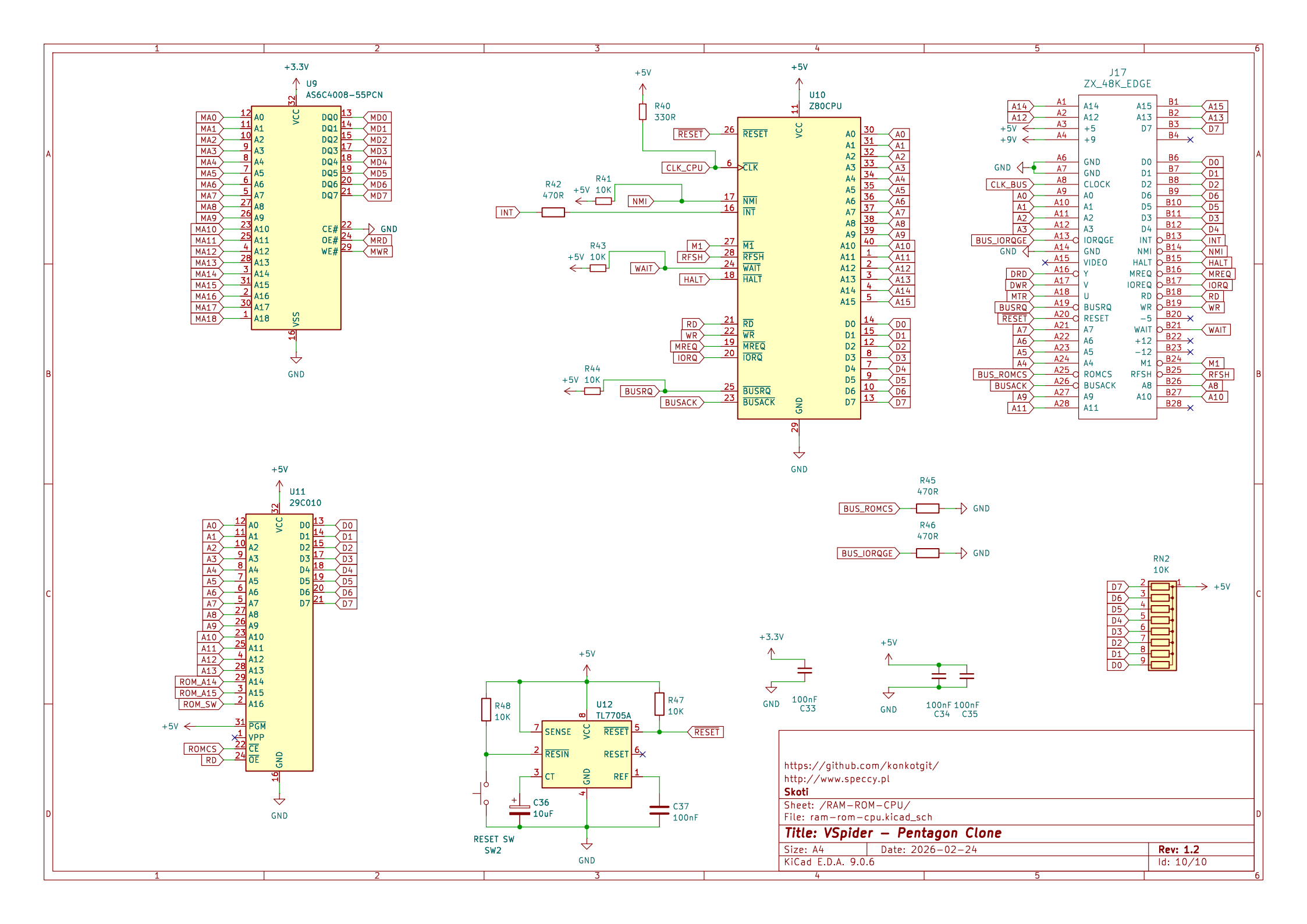

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Sheet: /RAM-ROM-CPU/
File: ram-rom-cpu.kicad_sch

Title: VSpider – Pentagon Clone

Size: A4	Date: 2026-02-24	**Rev: 1.2**
KiCad E.D.A. 9.0.6		Id: 10/10