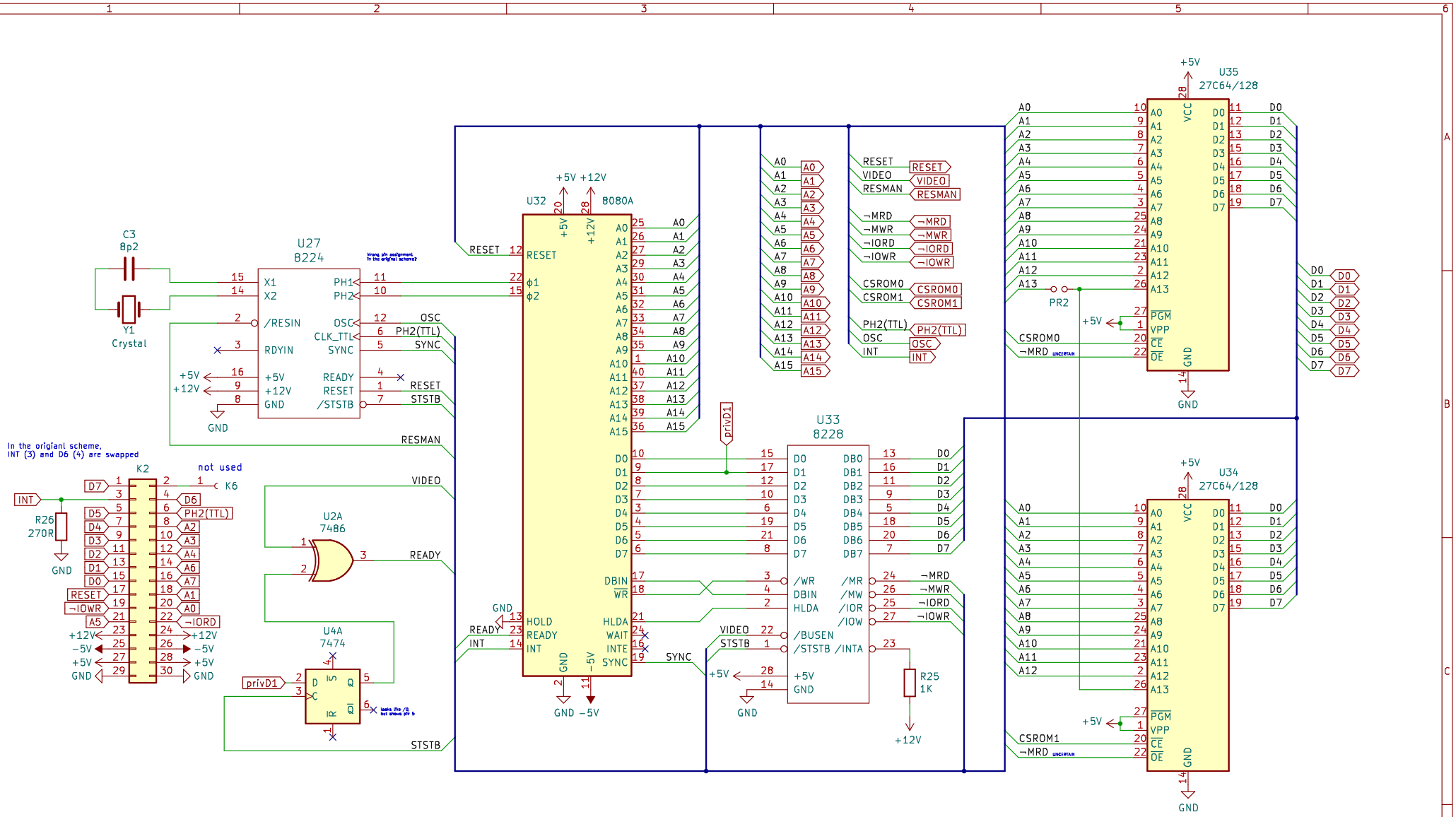


RAM — File: RAM.sch

video — File: video.sch

video2 — File: video2.sch

PIO — File: pio.sch

modulator — File: modulator.sch

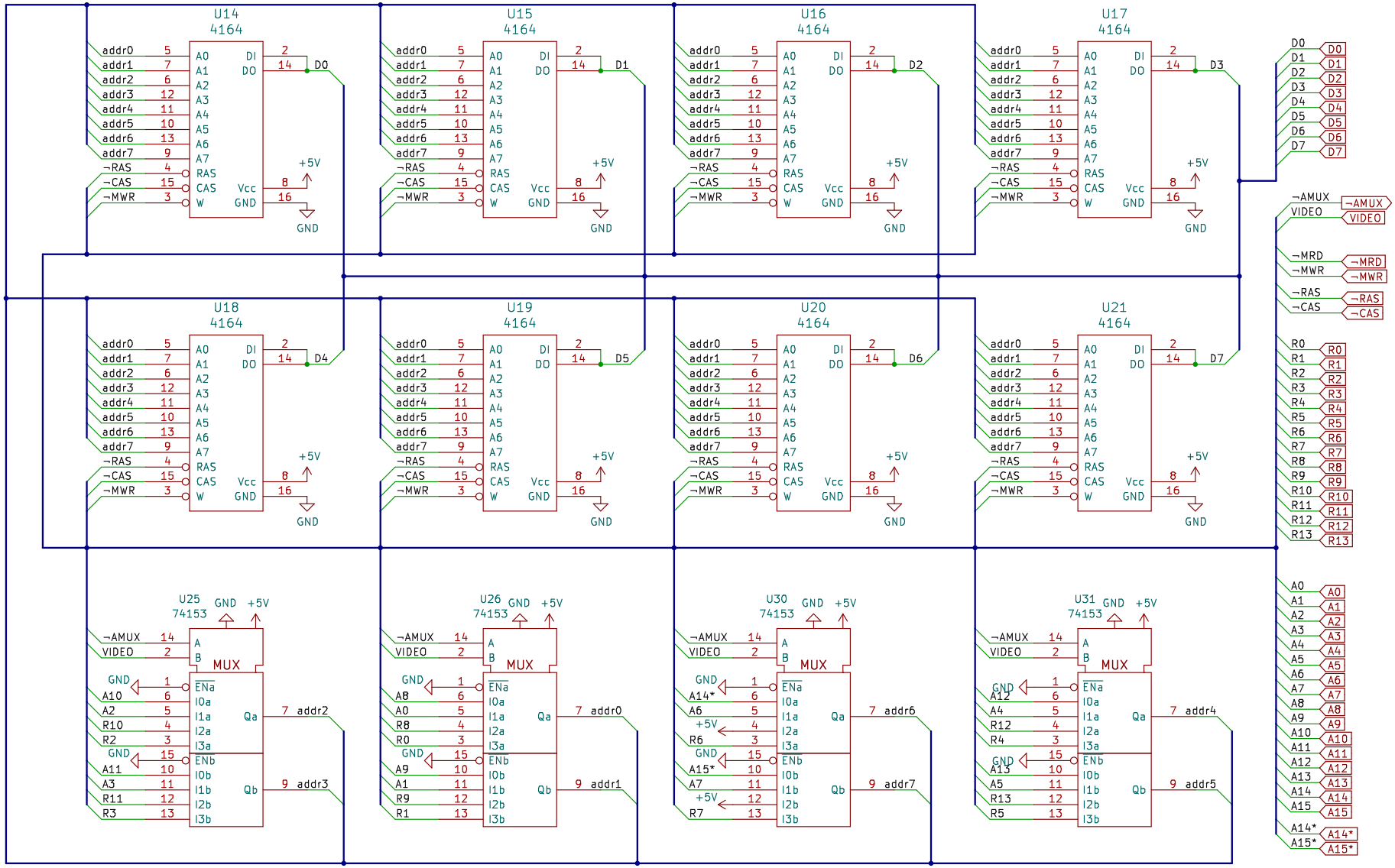
power — File: power.sch

Sheet: /
File: Mato.sch

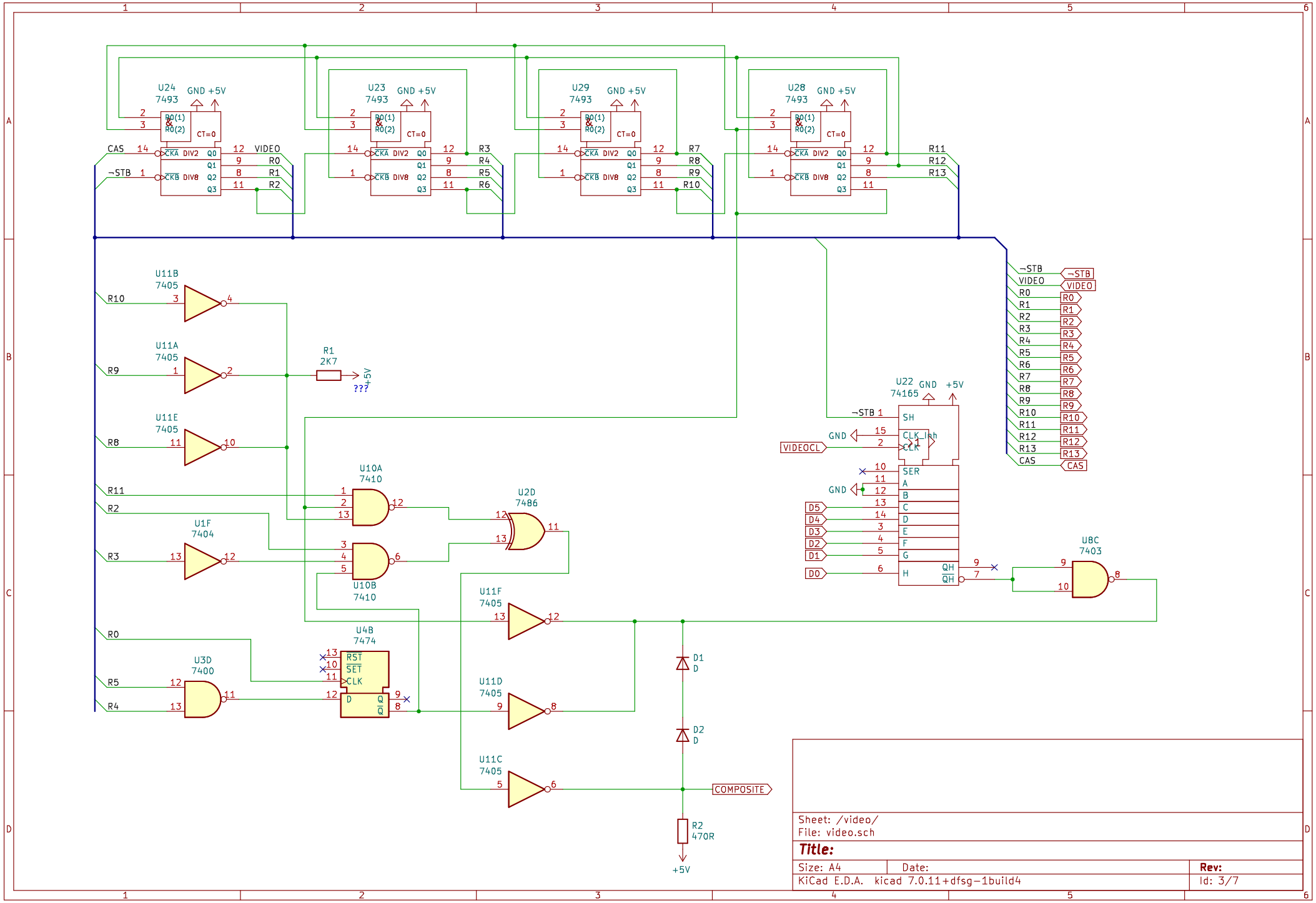
Title:

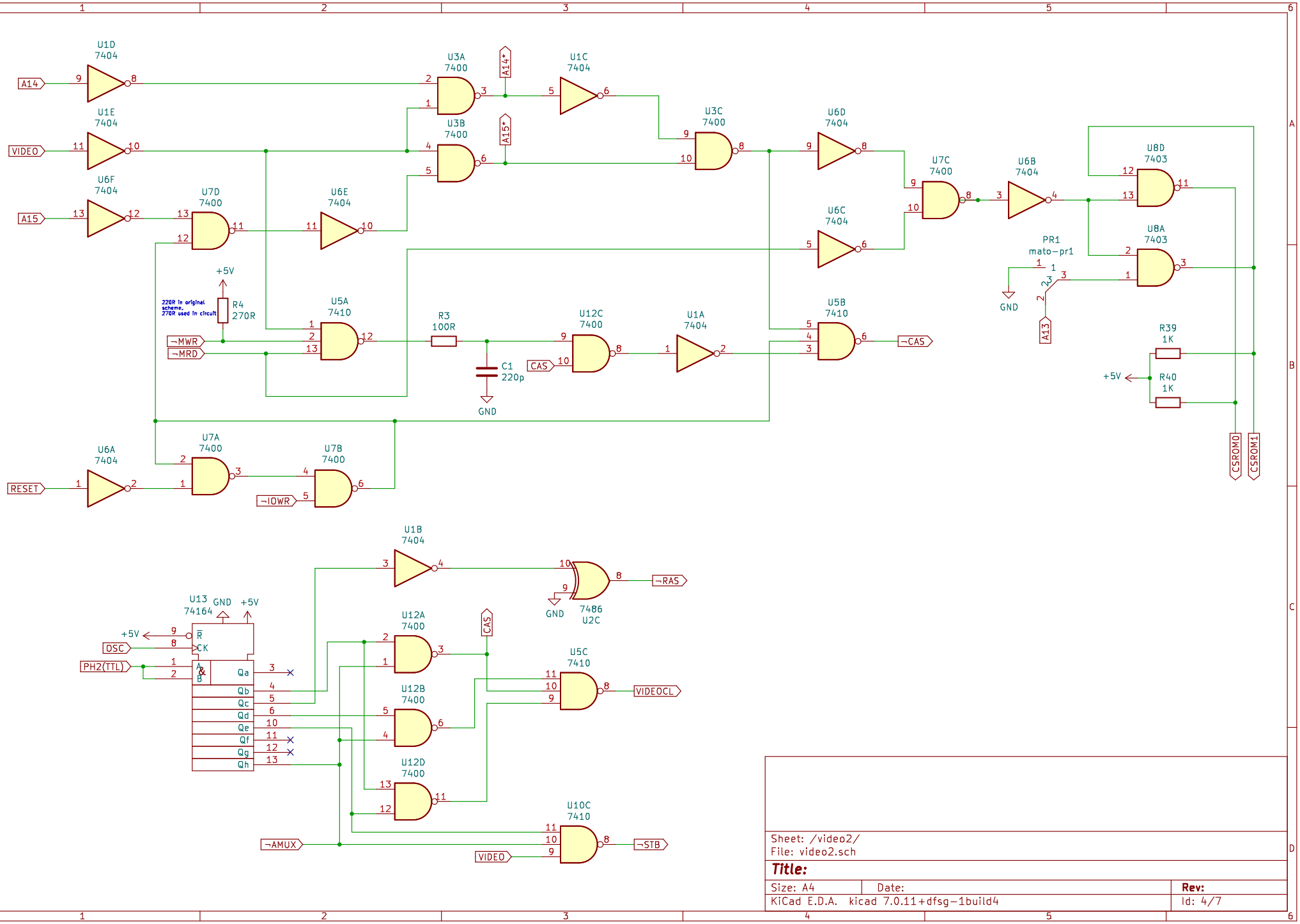
Size: A4 | Date: | **Rev:**

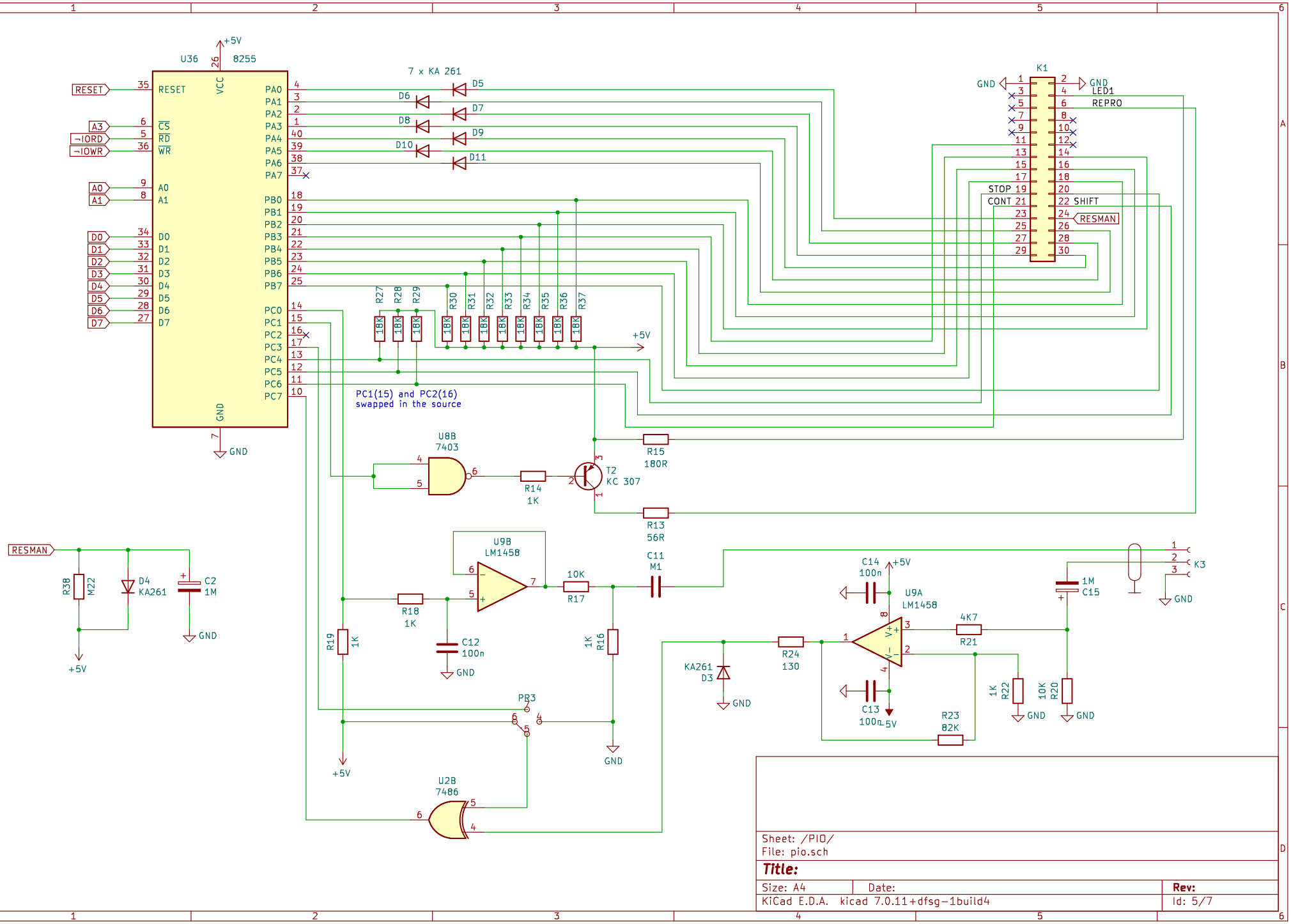
KiCad E.D.A. kicad 7.0.11+dfsg-1build4 | Id: 1/7



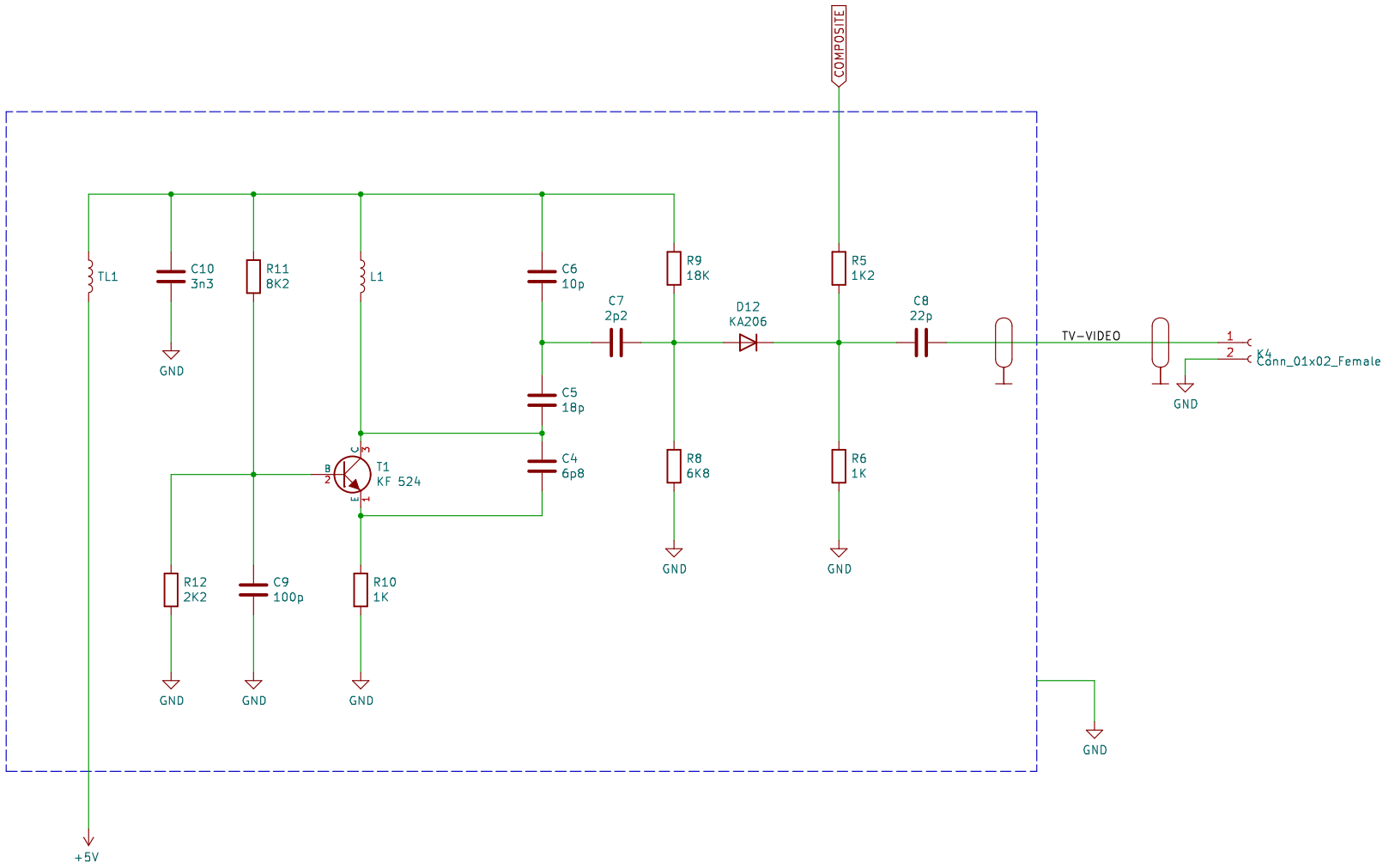
Sheet: /RAM/		
File: RAM.sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 7.0.11+dfsg-1build4		Id: 2/7


U24
7493
GND +5V
CAS
¬STB
VIDEO
R0
R1
R2
U23
7493
R3
R4
R5
R6
U29
7493
R7
R8
R9
R10
U28
7493
R11
R12
R13
U11B
7405
R10
U11A
7405
R9
R1
2K7
+5V
???
U11E
7405
R8
U10A
7410
U10B
7410
R11
R2
U1F
7404
R3
U2D
7486
U11F
7405
R0
U3D
7400
R5
R4
U4B
7474
RST
SET
CLK
D
Q
U11D
7405
U11C
7405
D1
D
D2
D
COMPOSITE
R2
470R
+5V
U22
74165
¬STB
VIDEOCL
GND
SH
CLK_Inh
CLK
SER
A
B
C
D
E
F
G
H
QH
D5
D4
D3
D2
D1
D0
U8C
7403
¬STB
VIDEO
R0
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
CAS
Sheet: /video/
File: video.sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 7.0.11+dfsg-1build4
Id: 3/7

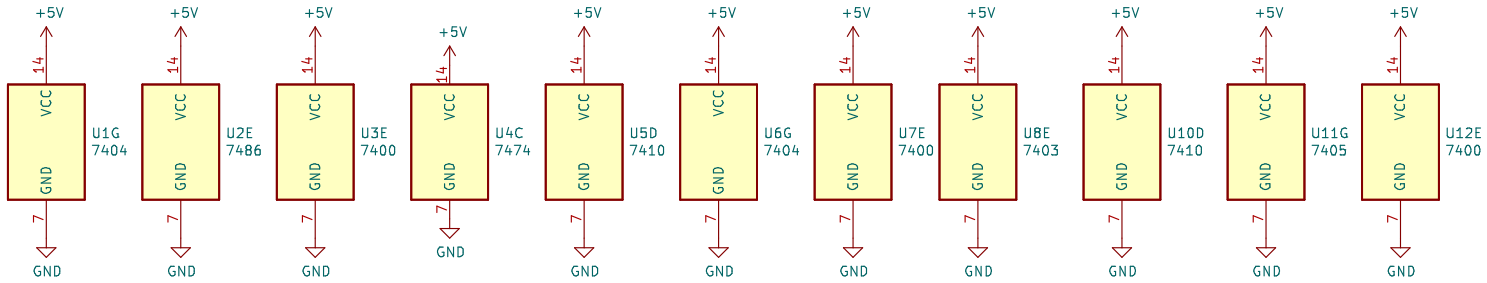

U1D
7404
A14
U3A
7400
A14*
U1C
7404
U1E
7404
VIDEO
U3B
7400
A15*
U3C
7400
U6D
7404
U6F
7404
A15
U7D
7400
U6E
7404
U6C
7404
U7C
7400
U6B
7404
U8D
7403
U8A
7403
PR1
mato-pr1
GND
A13
+5V
220R in original scheme, 270R used in circuit
R4
270R
U5A
7410
¬MWR
¬MRD
R3
100R
U12C
7400
U1A
7404
U5B
7410
¬CAS
C1
220p
CAS
GND
R39
1K
R40
1K
+5V
CSROM0
CSROM1
U6A
7404
RESET
U7A
7400
U7B
7400
¬IOWR
U1B
7404
¬RAS
7486
U2C
GND
U13
74164
GND
+5V
+5V
OSC
PH2(TTL)
R
CK
A
B
&
Qa
Qb
Qc
Qd
Qe
Qf
Qg
Qh
U12A
7400
U12B
7400
U12D
7400
CAS
U5C
7410
VIDEOCL
U10C
7410
¬AMUX
VIDEO
¬STB
Sheet: /video2/
File: video2.sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 7.0.11+dfsg-1build4
Id: 4/7

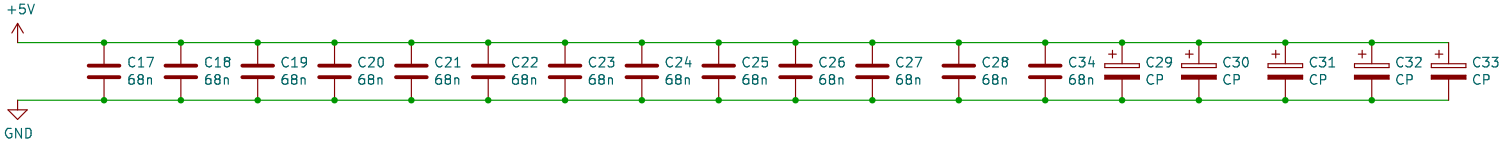


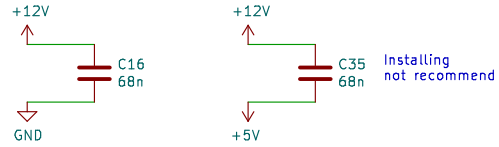
Sheet: /PIO/		
File: pio.sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 7.0.11+dfsg-1build4		Id: 5/7

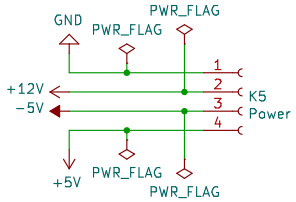


Sheet: /modulator/		
File: modulator.sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 7.0.11+dfsg-1build4		Id: 6/7









Sheet: /power/ File: power.sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 7.0.11+dfsg−1build4		Id: 7/7