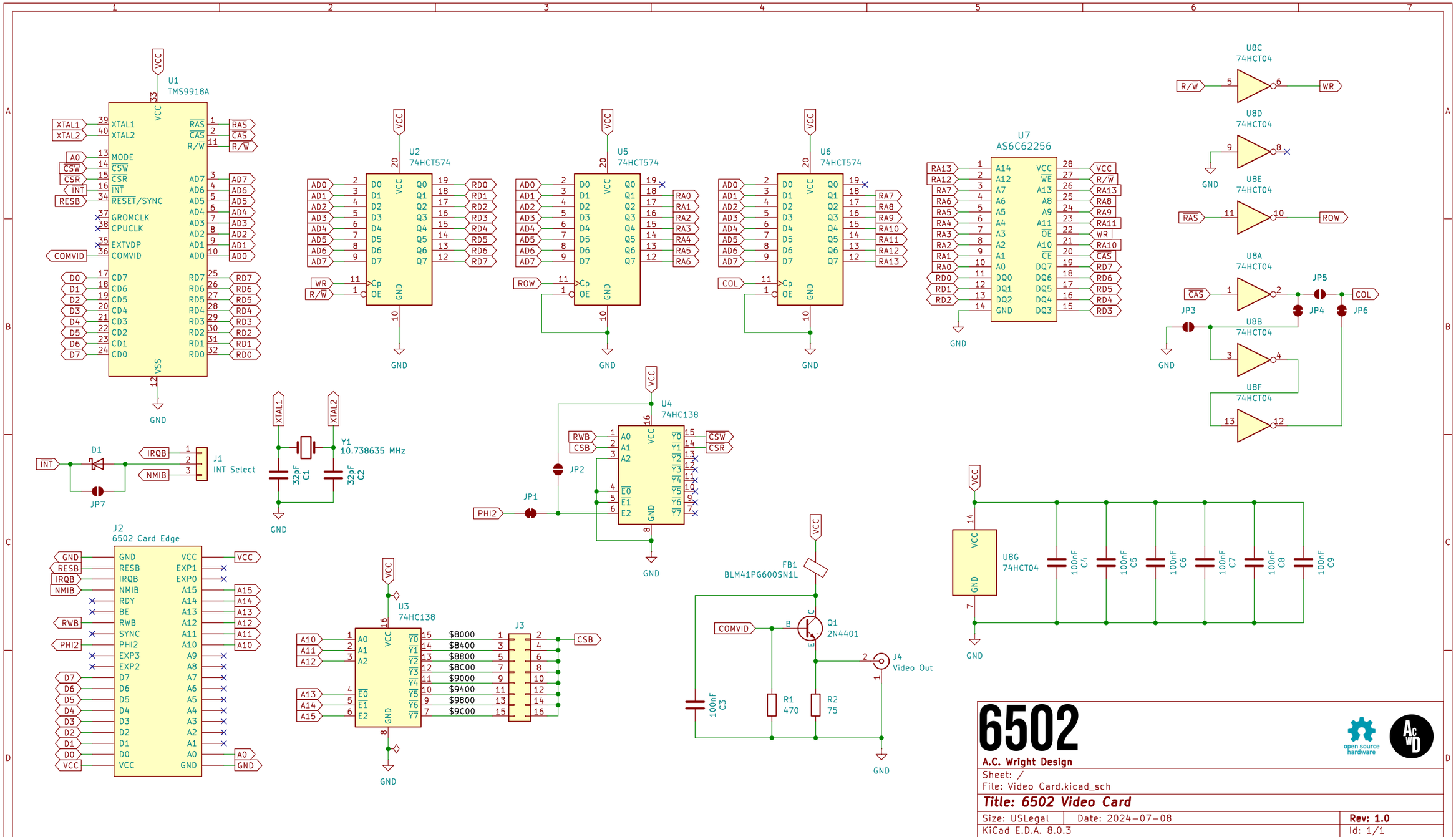
U1
TMS9918A
XTAL1
XTAL2
MODE
CSW
CSR
INT
RESB
RESET/SYNC
GROMCLK
CPUCLK
EXTVDP
COMVID
RAS
CAS
R/W
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
CD7
CD6
CD5
CD4
CD3
CD2
CD1
CD0
RD7
RD6
RD5
RD4
RD3
RD2
RD1
RD0
VCC
VSS
GND
U2
74HCT574
U5
74HCT574
U6
74HCT574
U7
AS6C62256
U8C
74HCT04
U8D
74HCT04
U8E
74HCT04
U8A
74HCT04
U8B
74HCT04
U8F
74HCT04
U8G
74HCT04
JP5
JP3
JP4
JP6
COL
ROW
WR
D1
IRQB
NMIB
J1
INT Select
JP7
XTAL1
XTAL2
Y1
10.738635 MHz
32pF
C1
32pF
C2
U4
74HC138
RWB
CSB
CSW
CSR
JP2
JP1
PHI2
J2
6502 Card Edge
RDY
BE
SYNC
EXP3
EXP2
EXP1
EXP0
A15
A14
A13
A12
A11
A10
A9
A8
A7
A6
A5
A4
A3
A2
A1
A0
U3
74HC138
J3
$8000
$8400
$8800
$8C00
$9000
$9400
$9800
$9C00
FB1
BLM41PG600SN1L
Q1
2N4401
J4
Video Out
R1
470
R2
75
100nF
C3
100nF
C4
100nF
C5
100nF
C6
100nF
C7
100nF
C8
100nF
C9
6502
A.C. Wright Design
Sheet: /
File: Video Card.kicad_sch
Title: 6502 Video Card
Size: USLegal
Date: 2024-07-08
Rev: 1.0
KiCad E.D.A. 8.0.3
Id: 1/1
open source hardware