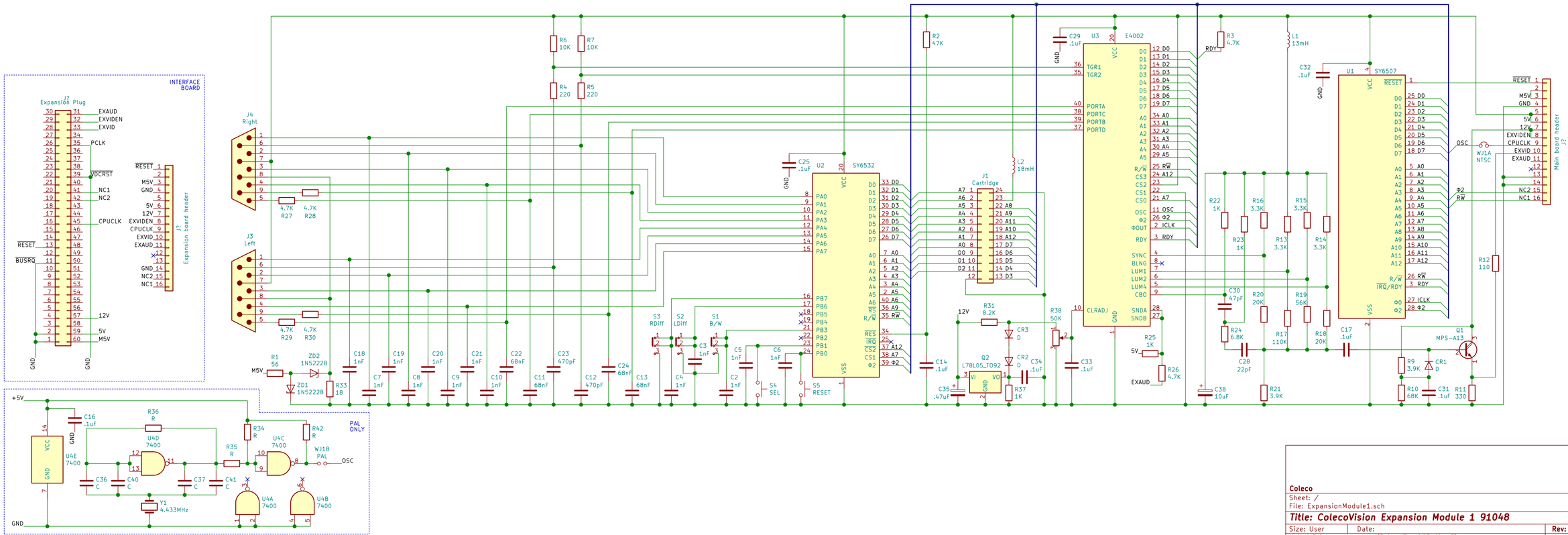
INTERFACE BOARD
J2
Expansion Plug
EXAUD
EXVIDEN
EXVID
PCLK
VDCRST
NC1
NC2
CPUCLK
RESET
BUSRQ
12V
5V
M5V
GND
J2
Expansion board header
J4
Right
J3
Left
R6 10K
R7 10K
R4 220
R5 220
R27 4.7K
R28 4.7K
R29 4.7K
R30 4.7K
R1 56
ZD2 1N5222B
ZD1 1N5222B
R33 18
C18 1nF
C19 1nF
C20 1nF
C21 1nF
C22 68nF
C23 470pF
C24 68nF
C12 470pF
C13 68nF
C7 1nF
C8 1nF
C9 1nF
C10 1nF
C11 68nF
C25 .1uF
U2
SY6532
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PB7
PB6
PB5
PB4
PB3
PB2
PB1
PB0
VCC
VSS
D0
D1
D2
D3
D4
D5
D6
D7
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
RS
R/W
RES
IRQ
CS2
CS1
Φ2
S3 RDiff
S2 LDiff
S1 B/W
C3 1nF
C4 1nF
C5 1nF
C6 1nF
C2 1nF
S4 SEL
S5 RESET
R2 47K
C14 .1uF
J1
Cartridge
R31 8.2K
Q2
L78L05_TO92
VI
VO
GND
C35 .47uF
CR3 D
CR2 D
C34 .1uF
R37 1K
R38 50K
C33 .1uF
C29 .1uF
U3
E4002
TGR1
TGR2
PORTA
PORTC
PORTB
PORTD
OSC
ΦOUT
RDY
SYNC
BLNG
LUM1
LUM2
LUM4
CBO
SNDA
SNDB
CLRADJ
R25 1K
R26 4.7K
EXAUD
R3 4.7K
L1 13mH
L2 18mH
C32 .1uF
U1
SY6507
IRQ/RDY
ICLK
R22 1K
R23 1K
R16 3.3K
R13 3.3K
R15 3.3K
R14 3.3K
C30 47pF
R24 6.8K
C28 22pF
R20 20K
R17 110K
R19 56K
R18 20K
R21 3.9K
C38 10uF
C17 .1uF
R9 3.9K
CR1 D
R10 68K
C31 .1uF
R11 330
Q1 MPS-A13
R12 110
WJ1A NTSC
J7
Main board header
PAL ONLY
+5V
C16 .1uF
U4E 7400
R36 R
U4D 7400
R35 R
R34 R
U4C 7400
R42 R
WJ1B PAL
C36 C
C40 C
C37 C
C41 C
Y1 4.433MHz
U4A 7400
U4B 7400
Coleco
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Title: ColecoVision Expansion Module 1 91048
Size: User
Date:
Rev: F
KiCad E.D.A. eeschema (5.0.1-3-g963ef8bb5)
Id: 1/1