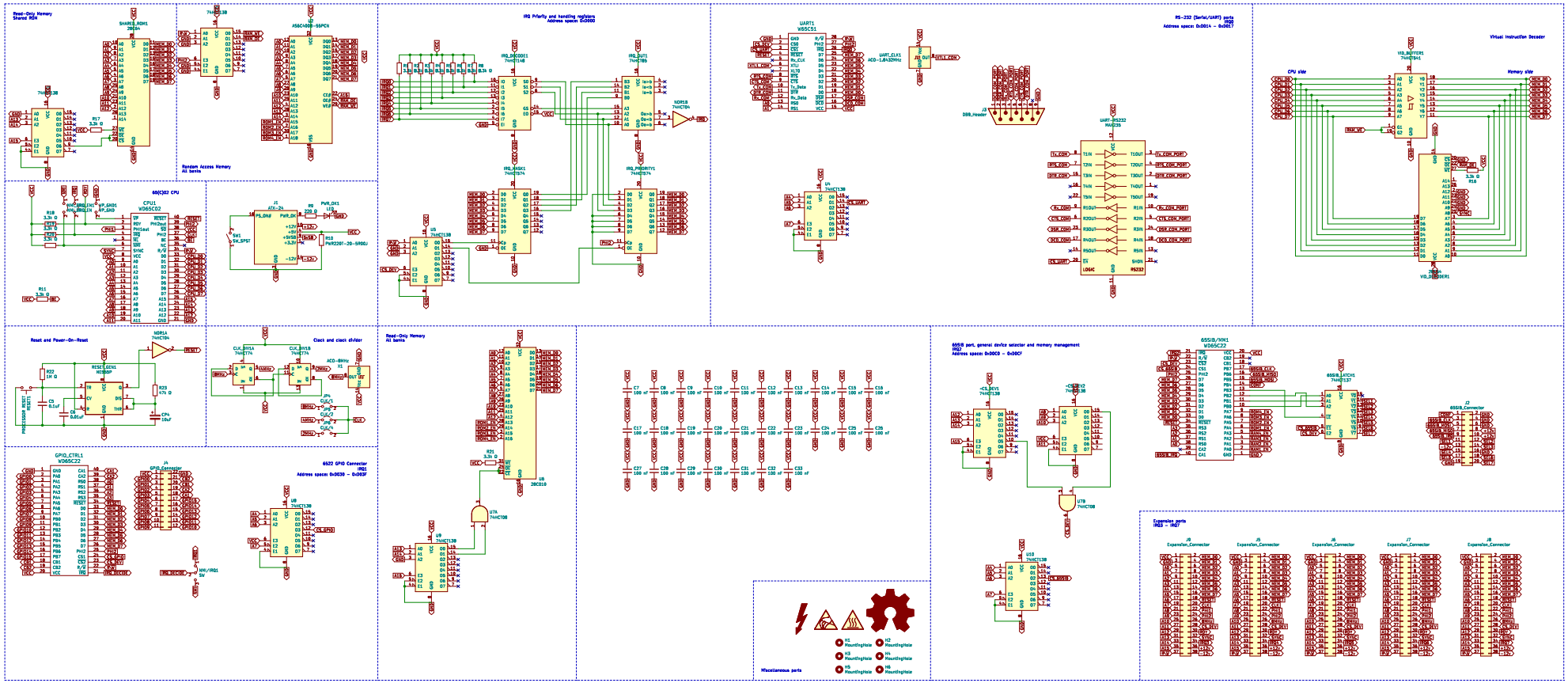
Read-Only Memory
Shared ROM
SHARED_ROM1
28C64
74HC138
Random Access Memory
AS6C1008-55PCN
IRQ Priority and handling registers
Address space 0x0000
IRQ_PRIORITY1
74HCT574
IRQ_MASK1
74HCT574
IRQ_OUT1
74HCT86
IRQ_INDICATOR1
74HCT148
NOR1B
74HCT04
UART-RS232
MAX238
UART1
W65C51
UART_CLK1
4C0-1.8432MHz
DB9_Header
Virtual Instruction Decoder
CPU side
Memory side
VDI_BUFFER1
74HCT541
VDI_DECODER1
65C02 CPU
CPU1
W65C02
Reset and Power-On-Reset
RESET_GEN1
NE555P
NOR1A
74HCT04
Clock and clock divider
CLK_DIV1A
74HCT74
CLK_DIV1B
74HCT74
ACO-8MHz
XC
CLK_1
CLK_2
CLK_4
CLK_8
Read-Only Memory
All banks
U6
28C010
U7A
74HCT08
6522 GPIO Connector
IRQ1
Address space 0x0030 - 0x003F
GPIO_CTRL1
W65C22
GPIO_Connector
65SIB/XIN1
W65C22
65SIB_LATCH1
74HCT137
65SIB_Connector
65SIB port, general device selector and memory management
IRQ2
Address space 0x00C0 - 0x00CF
Expansion ports
IRQ3 - IRQ7
Miscellaneous parts
MountingHole
NOTE: Always use same type of components for the board. CMOS OR TTL NOT MIXED!
CODENAME: Wolfe-1
Motherboard for the Wolfnet 65C02 based (NMOS Compatible) WorkBench Computer.
Wolfnet Computing
Sheets /
File: Motherboard.kicad_sch
Title: Wolfnet 6502 WBC – Motherboard
Size: A1
Date: 2022-05-06
KiCad E.D.A. kicad (6.0.0)
Rev: 2.A
Id: 1/1