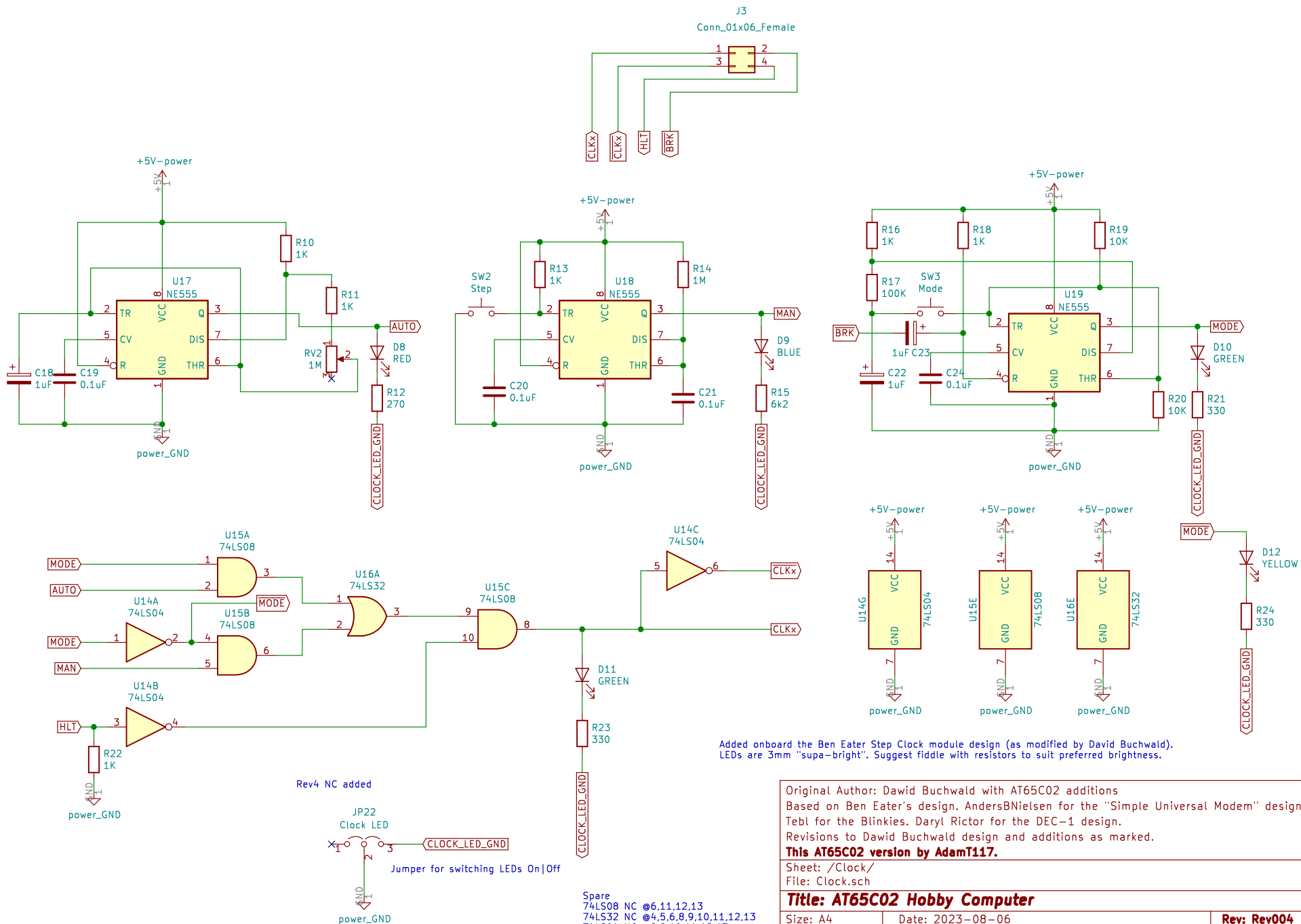


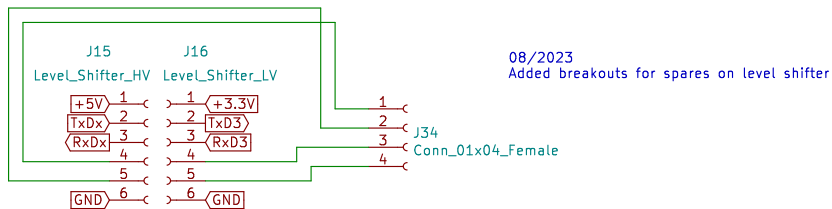
Original Author: Dawid Buchwald with AT65C02 additions		
Based on Ben Eater's design. AndersBNIelsen for the "Simple Universal Modem" design.		
Tebl for the Blinkies. Daryl Rictor for the DEC-1 design.		
Revisions to Dawid Buchwald design and additions as marked.		
This AT65C02 version by AdamT117.		
Sheet: /Modem/		
File: Modem.sch		
Title: AT65C02 Hobby Computer		
Size: A4	Date: 2023-08-06	Rev: Rev004
KiCad E.D.A. kicad (5.1.9)-1		Id: 2/7



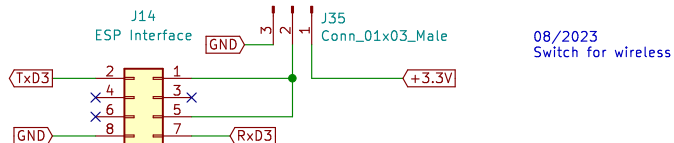


Added onboard the Ben Eater Step Clock module design (as modified by David Buchwald).
 LEDs are 3mm "supa-bright". Suggest fiddle with resistors to suit preferred brightness.

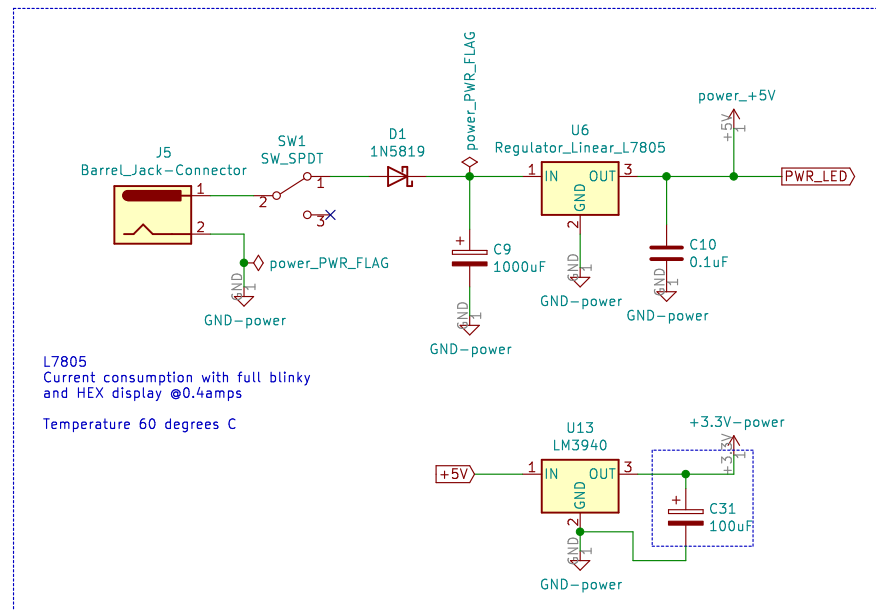
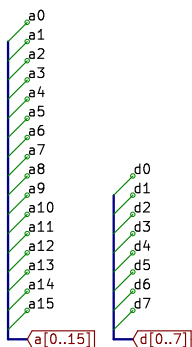
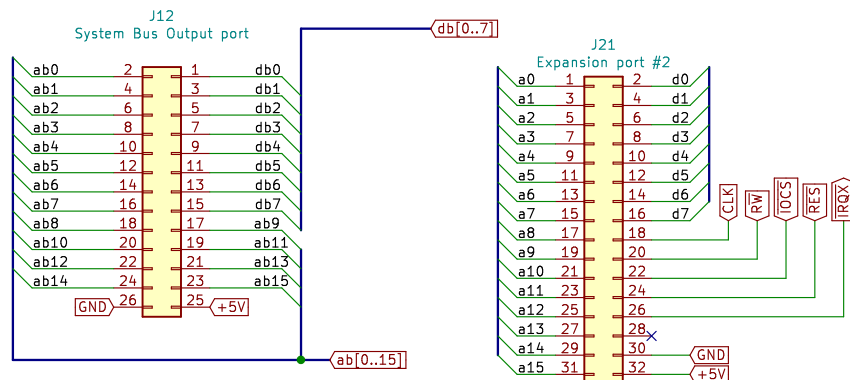
Spare
 74LS08 NC @6,11,12,13
 74LS32 NC @4,5,6,8,9,10,11,12,13
 74LS04 NC @8,9,10,11,12,13



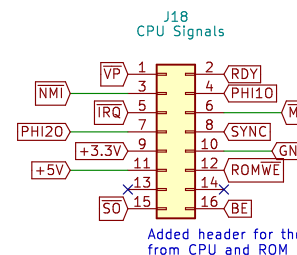
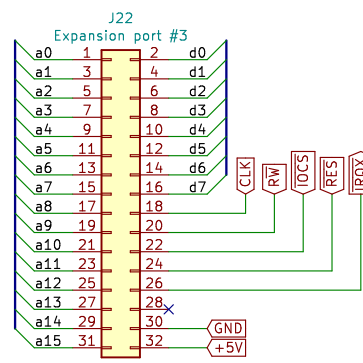
Level shifter and ESP port



Port is via blinky latches for display expansion (HEX board)



Capacitor C31 100uF minimum according to datasheet is 33uF. Please check output voltage before using as less than this value results in 4.8v output.



08/2023
Changed JP18 to standard header size

ROM WE should be tied to 5V for normal operation

Added header for the additional signals from CPU and ROM

08/2023
Added ROMCS ROM OE Breakouts

Original Author: Dawid Buchwald with AT65C02 additions
Based on Ben Eater's design. AndersBNielsen for the "Simple Universal Modem" design.
Tebl for the Blinkies. Daryl Rictor for the DEC-1 design.
Revisions to Dawid Buchwald design and additions as marked.

This AT65C02 version by AdamT117.

Sheet: /Power_Connectors/
File: Power_Connectors.sch

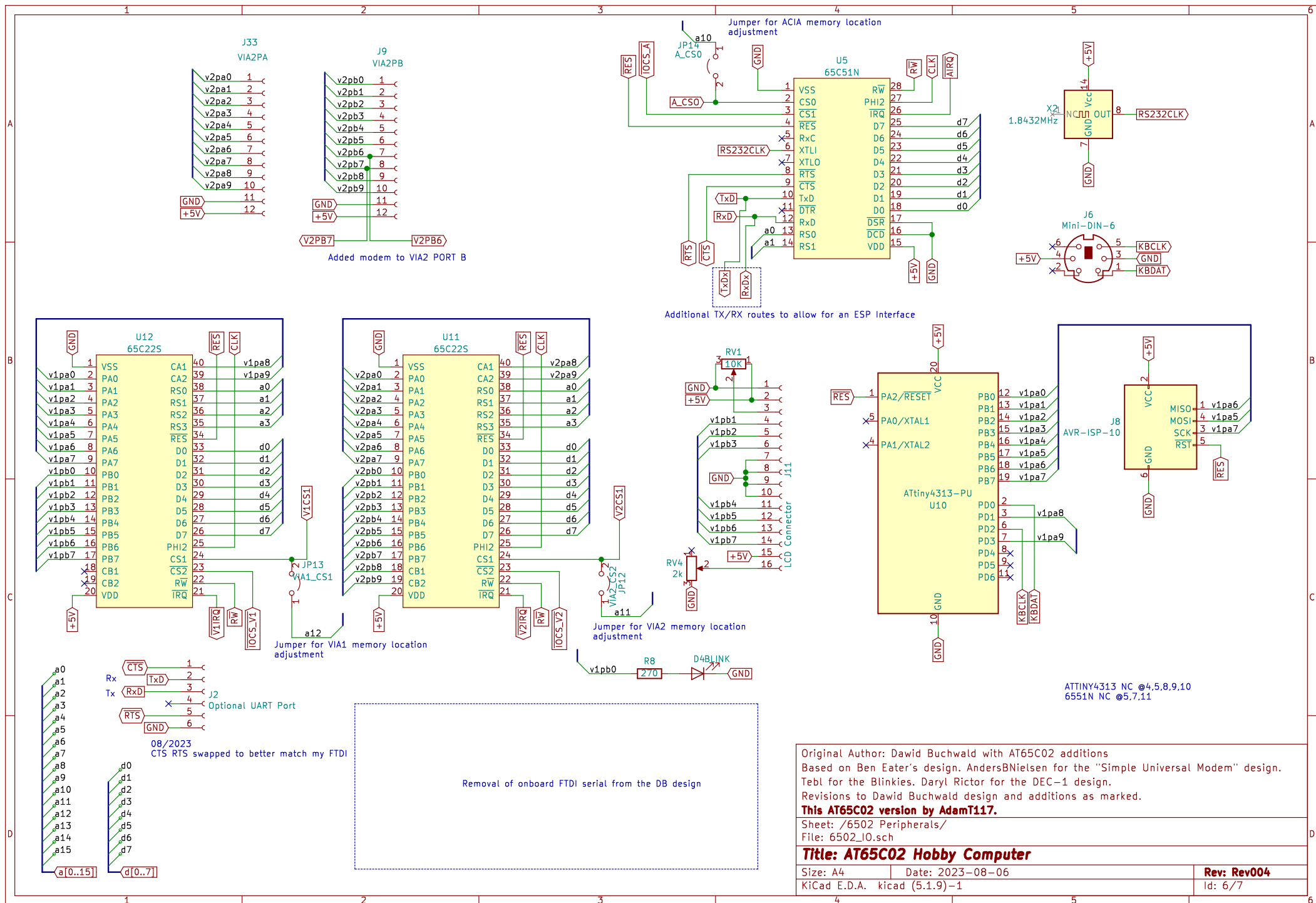
Title: AT65C02 Hobby Computer

Size: A4 Date: 2023-08-06

KiCad E.D.A. kicad (5.1.9)-1

Rev: Rev004

Id: 5/7



Original Author: Dawid Buchwald with AT65C02 additions
Based on Ben Eater's design. AndersBNielsen for the "Simple Universal Modem" design.
Tebl for the Blinkies. Daryl Rictor for the DEC-1 design.
Revisions to Dawid Buchwald design and additions as marked.

This AT65C02 version by AdamT117.

Sheet: /6502 Peripherals/
File: 6502_I0.sch

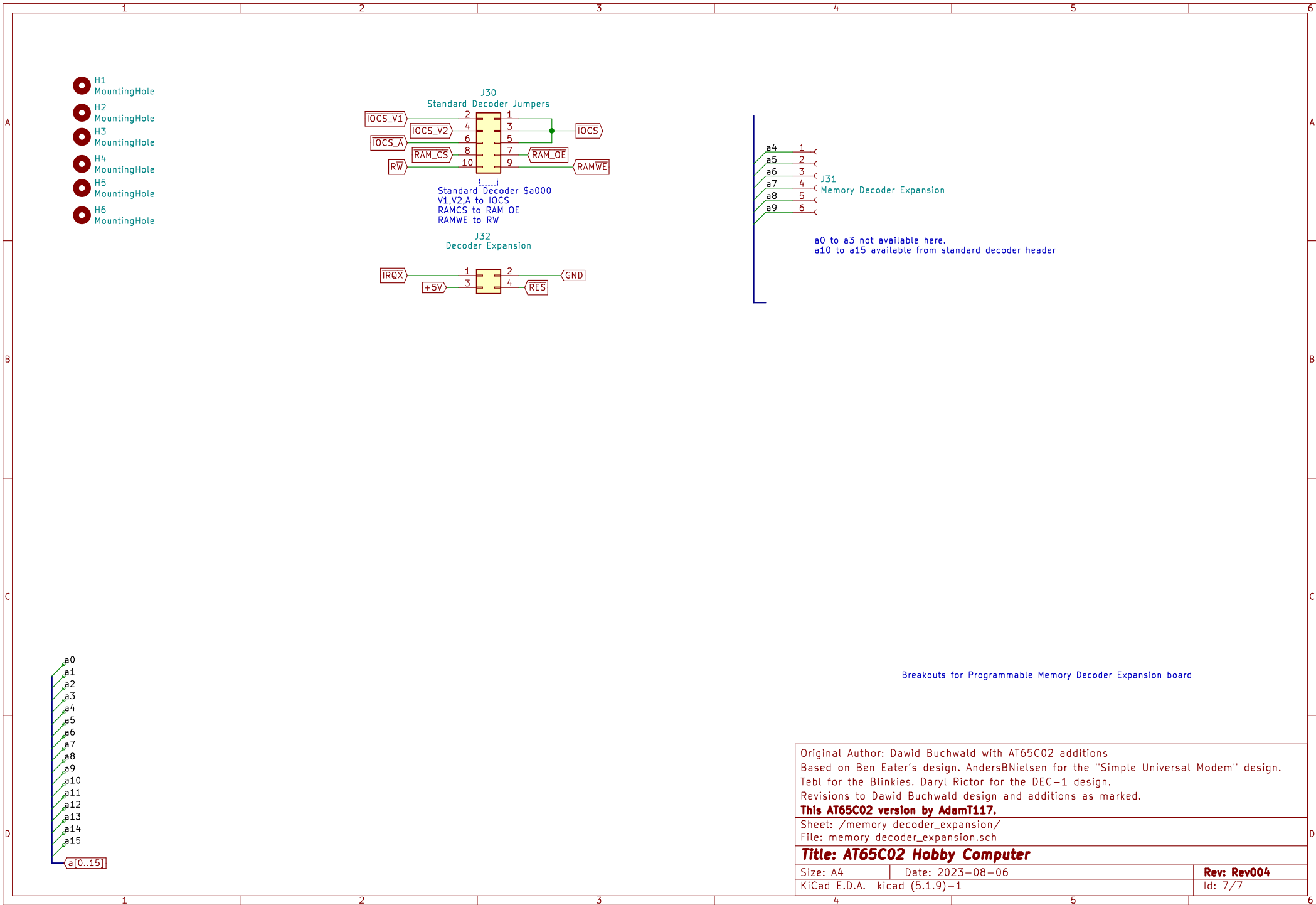
Title: AT65C02 Hobby Computer

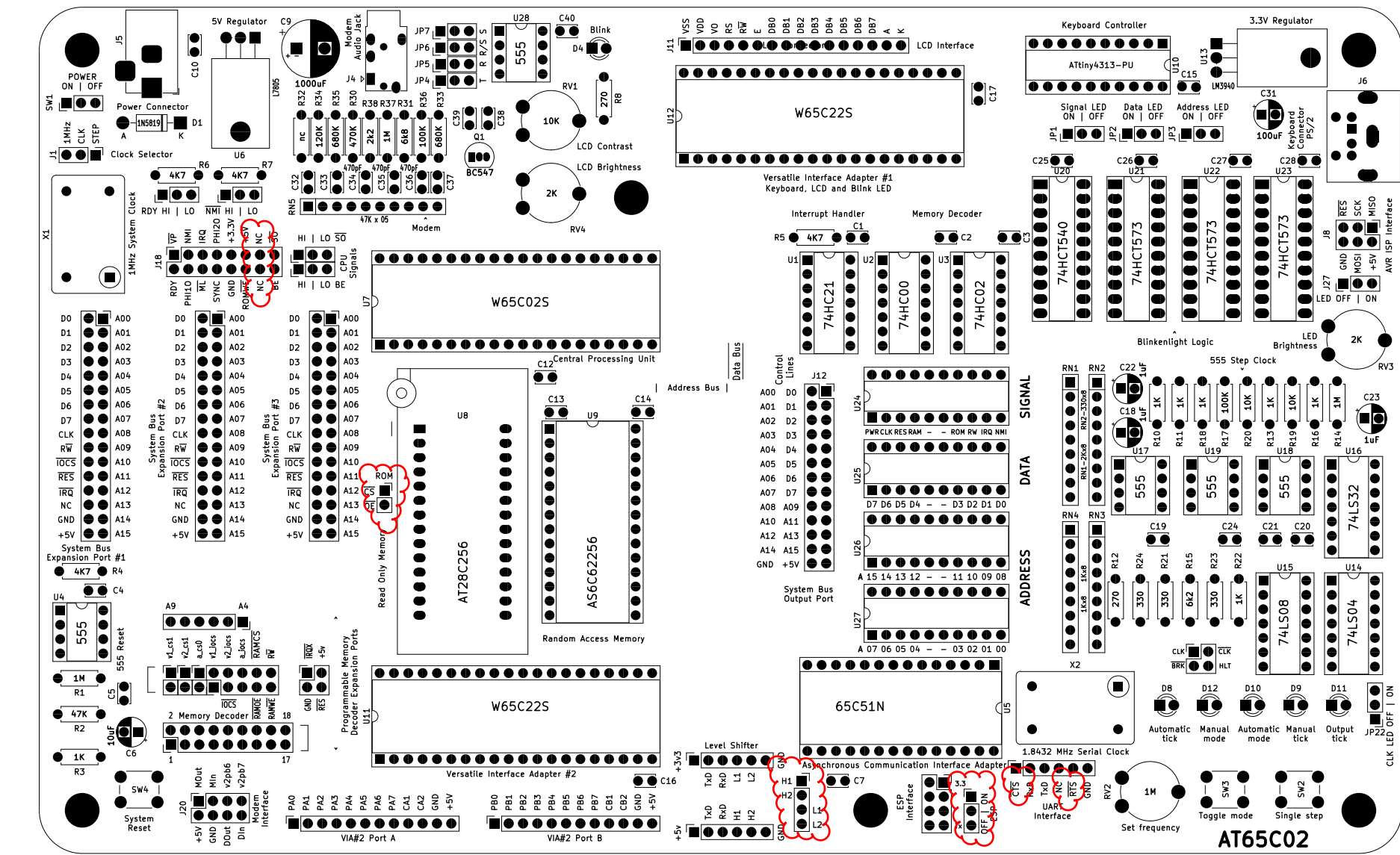
Size: A4 Date: 2023-08-06

KiCad E.D.A. kicad (5.1.9)-1

Rev: Rev004

Id: 6/7





Latest revisions

Original Author: Dawid Buchwald with AT65C02 additions

This AT65C02 version by AdamT117.

Sheet:
File: AT_65C02_Computer_Rev004.kicad_pcb

Title: AT65C02 Hobby Computer

Size: A3 Date: 2023-08-06
KiCad E.D.A. kicad (5.1.9)-1

Rev: Rev004
Id: 1/1