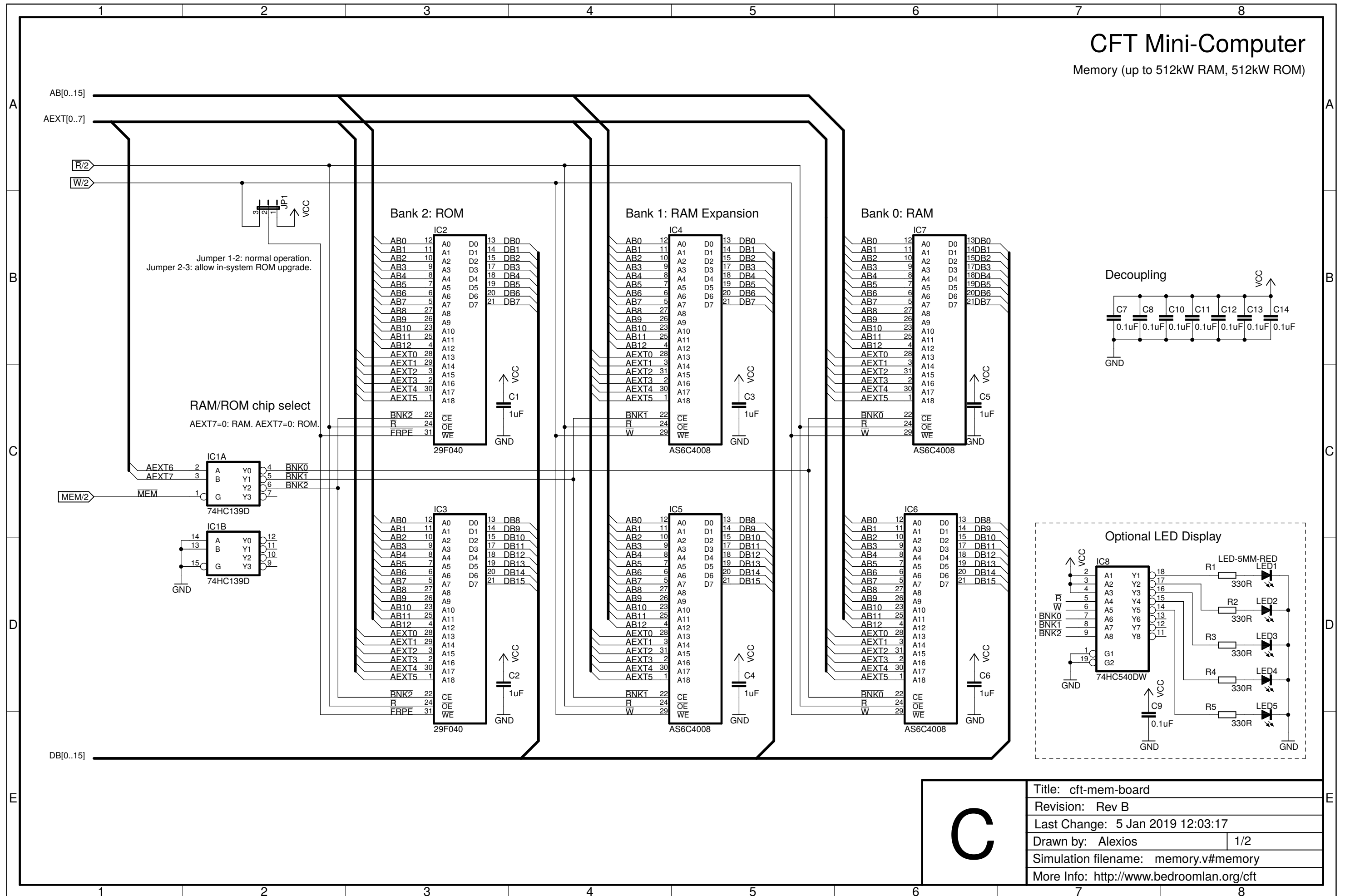


CFT Mini-Computer

Memory (up to 512kW RAM, 512kW ROM)

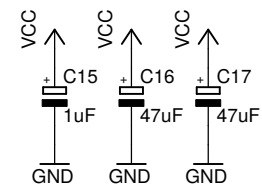


Bus Connectors

Figure 1 shows the pin connections for three expansion connectors: EXP1A, EXP1B, and EXP1C. Each connector has 32 pins. The connections are as follows:

- EXP1A:** GND (A1), GND (A2), VCC (A3), +3.3V (A4), AB0 (A5), AB1 (A6), AB2 (A7), AB3 (A8), AB4 (A9), AB5 (A10), AB6 (A11), AB7 (A12), IRQ3 (A13), IRQ4 (A14), IRQ5 (A15), IRQ6 (A16), *TPA (A17), IRQ7 (A18), HALT (A19), AB8 (A20), AB9 (A21), AB10 (A22), AB11 (A23), AB12 (A24), AB13 (A25), AB14 (A26), AB15 (A27), SYSDEV (A28), CLK1 (A29), IRQS (A30), +12V (A31), VCC (A32).
- EXP1B:** GND (B1), GND (B2), VCC (B3), +3.3V (B4), SKIPEXT (B5), ENDEXT (B6), WS (B7), R1 (B8), R6 (B9), R7 (B10), WT (B11), AEXT0 (B12), AEXT1 (B13), AEXT2 (B14), AEXT3 (B15), AEXT4 (B16), AEXT5 (B17), AEXT6 (B18), AEXT7 (B19), RSTHOLD (B20), IODEV1XX (B21), IODEV2XX (B22), IODEV3XX (B23), T34 (B24), CLK4 (B25), CLK2 (B26), CLK3 (B27), +12V (B28), VCC (B29).
- EXP1C:** GND (C1), GND (C2), VCC (C3), +3.3V (C4), DB0 (C5), DB1 (C6), DB2 (C7), DB3 (C8), DB4 (C9), DB5 (C10), DB6 (C11), DB7 (C12), MEM (C13), IO (C14), R (C15), W (C16), *TPC (C17), IRQ0 (C18), IRQ1 (C19), IRQ2 (C20), DB8 (C21), DB9 (C22), DB10 (C23), DB11 (C24), DB12 (C25), DB13 (C26), DB14 (C27), DB15 (C28), IRQ (C29), RESET (C30), +12V (C31), VCC (C32).

PCB @ (0, 1.95)



- (1) This pin is connected to a bus bar for power distribution, but the CFT does not (yet) require it. It's likely to be connected to another voltage level like +3.3V for easier interfacing. Reserved for now.
- (2) Pins *TPA and *TPC are not bussed. They are locally connected to each card's corresponding test pins (A17 & C17) to serve as test points.
- (3) Reserved for future expansion
- (4) Cheaper, 64-pin A+C row DIN41662 Type C plugs may be used for most expansion cards.
- (5) \overline{IRQ} is provided for systems which lack an interrupt controller ($\overline{IRQ0-7}$)



[QR Code <http://www.bedroomlan.org/cft> (shortened)]



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Title: cft-mem-board	
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Drawn by: Alexios	2/2
Simulation filename: N/A	
More Info: http://www.bedroomlan.org/cft	