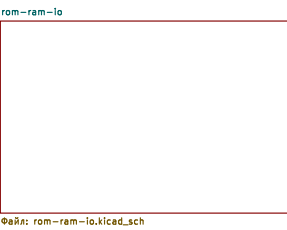
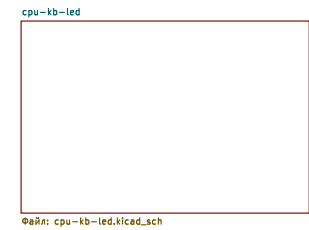


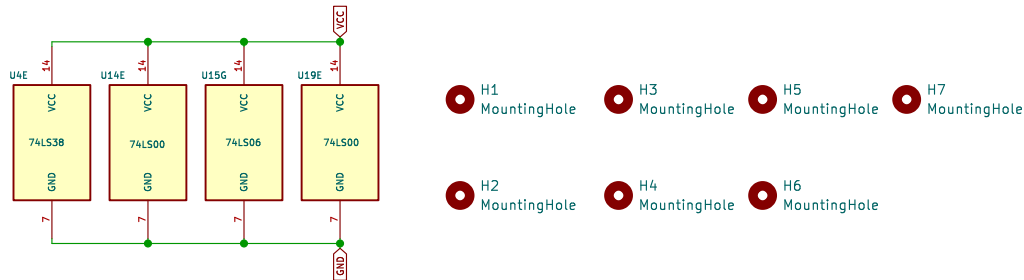
# MOCRO-KIM



Memory map Micro-KIM

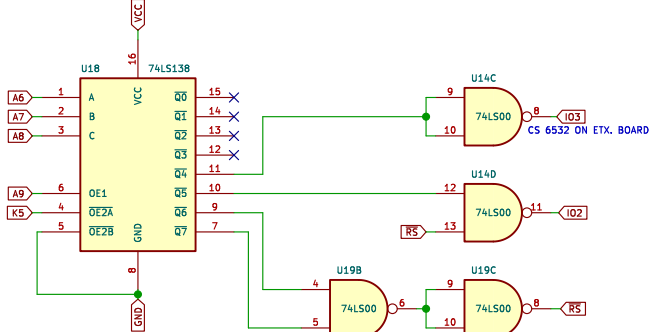
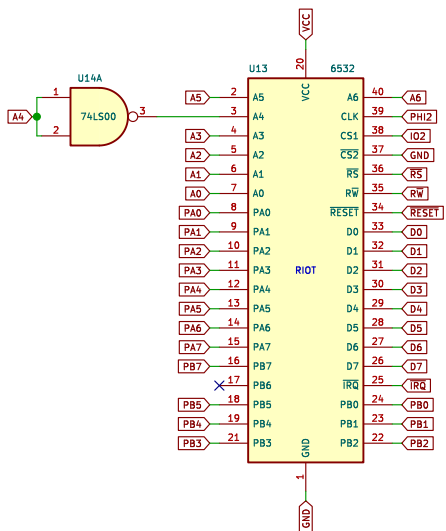
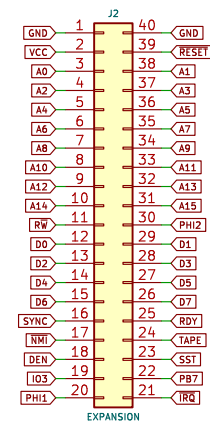
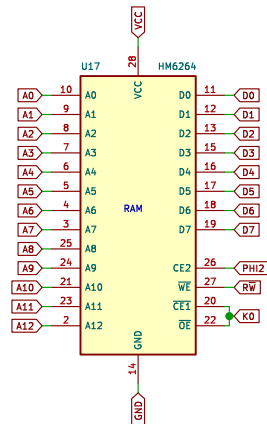
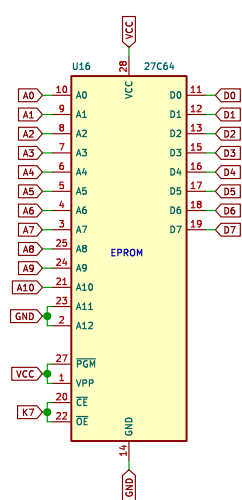
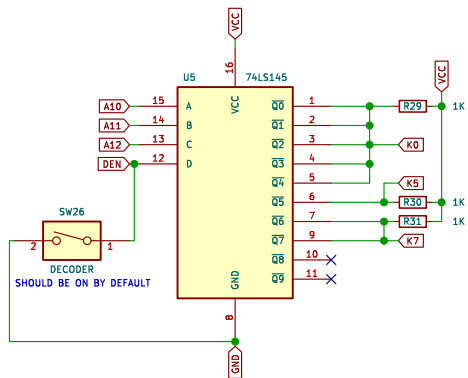
\$0000-\$03FF	1024 Bytes of RAM
\$0400-\$07FF	1024 Bytes of RAM
\$0800-\$0BFF	1024 Bytes of RAM
\$0C00-\$0FFF	1024 Bytes of RAM
\$1000-\$13FF	1024 Bytes of RAM
\$1400-\$16FF	Optional Memory Area
\$1700-\$173F	Optional 2nd 6532 I/O, Timer
\$1740-\$177F	6532 I/O and Timer
\$1780-\$17BF	64 Bytes RAM from 6532
\$17C0-\$17FF	64 Bytes RAM from 6532 *
\$1800-\$1BFF	1024 Bytes of EPROM
\$1C00-\$1FFF	1024 Bytes of EPROM
\$2000-\$FFFF	Unused memory

\* The 6532 has 128 bytes of RAM vs. only 64 bytes on the 6530.  
The Micro-KIM utilizes all 128 bytes from the single onboard 6532 so all original memory locations are available.



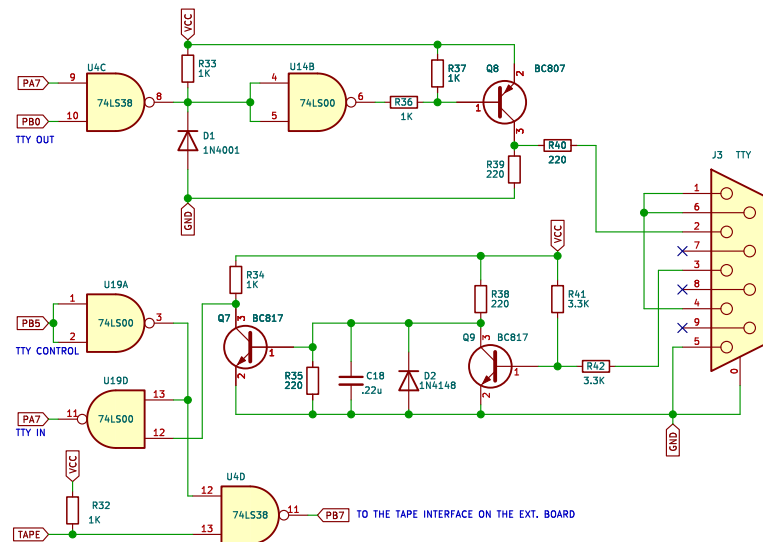
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Title: <b>micro-kim</b>	
Size: A4	Date: 2022-11-05
KiCad E.D.A. kicad 7.0.9	Rev: <b>1</b>
Id: 1/3	





K5 DECODES TO 1400-17FF  
Q4 - SELECTS 1700-173F I/O IN 003  
Q5 - SELECTS 1740-177F I/O IN 002  
Q6 - SELECTS 1780-17BF RAM IN 6532  
Q7 - SELECTS 17C0-17FF RAM IN 6532

WITH CS2 TO GND IN U13:  
CS1 HIGH + RS LOW FOR RAM  
CS1 HIGH, LOW + RS HIGH FOR IO  
IO2 or HIGH SELECTS CS1:  
ALL 6532 128 BYTES OF RAM USED IN U13



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Sheet: /rom-ram-io/  
File: rom-ram-io.kicad\_sch

**Title: micro-kim**

Size: A4 Date: 2022-11-05

KiCad E.D.A. kicad 7.0.9

Rev: 1

Id: 3/3