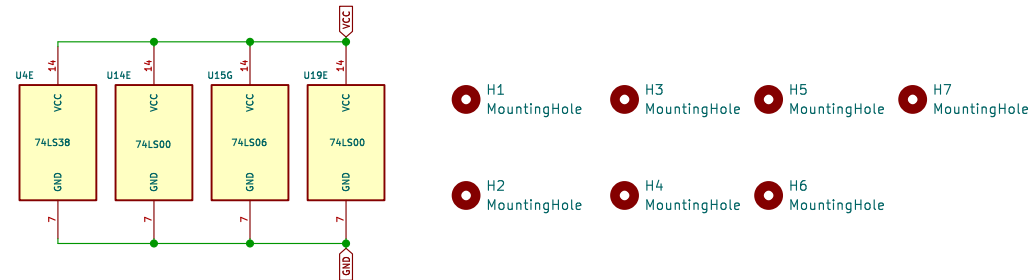


# MOCRO-KIM

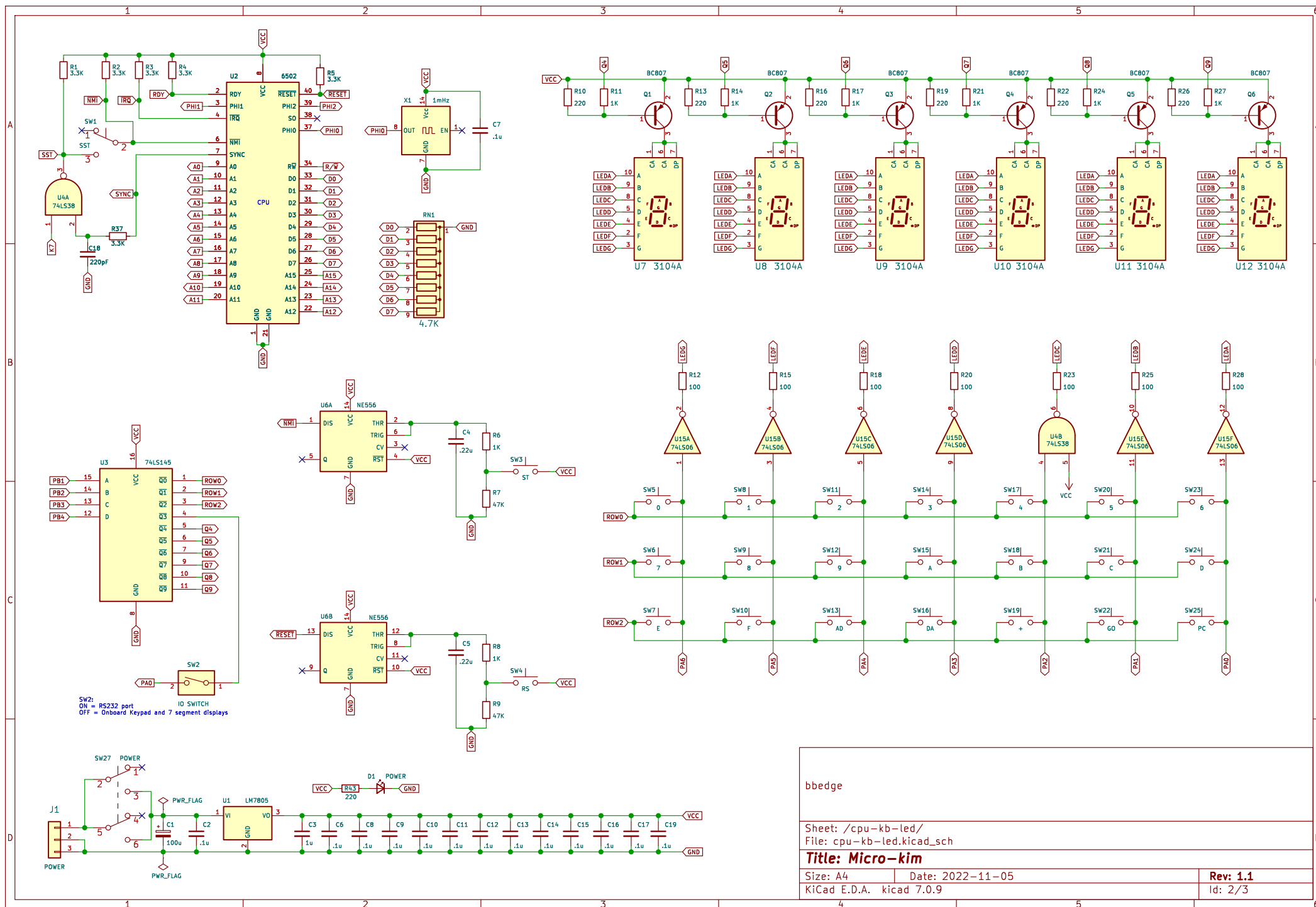
## Memory map Micro-KIM

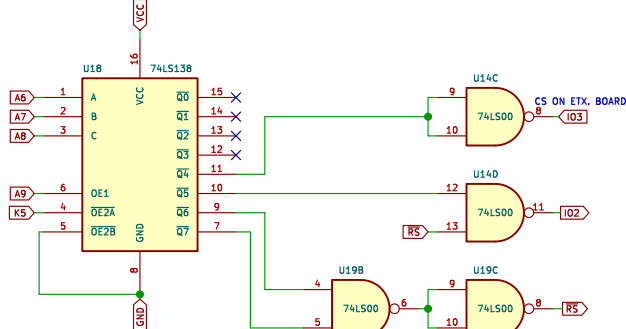
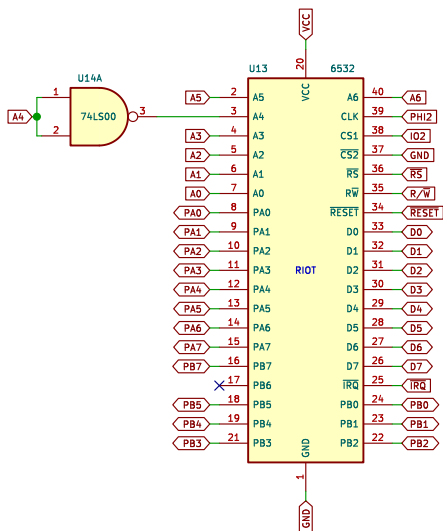
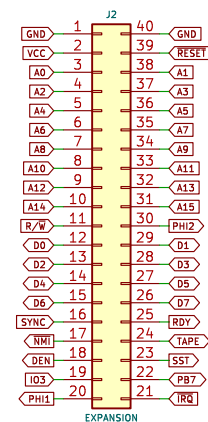
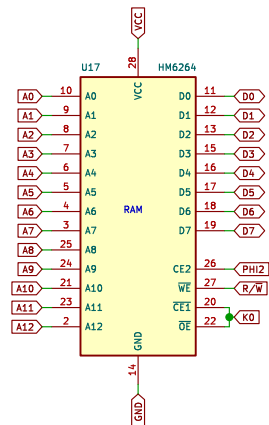
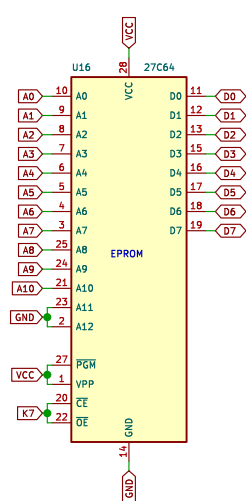
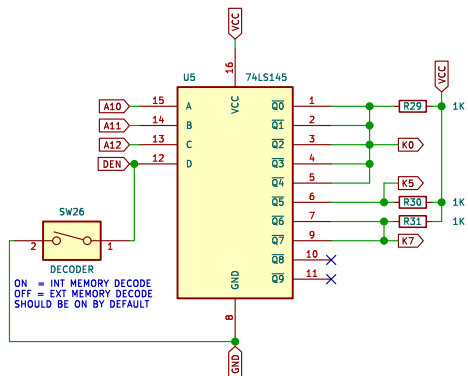
\$0000-\$03FF	1024 Bytes of RAM
\$0400-\$07FF	1024 Bytes of RAM
\$0800-\$0BFF	1024 Bytes of RAM
\$0C00-\$0FFF	1024 Bytes of RAM
\$1000-\$13FF	1024 Bytes of RAM
\$1400-\$16FF	Optional Memory Area
\$1700-\$173F	Optional 2nd 6532 I/O, Timer
\$1740-\$177F	6532 I/O and Timer
\$1780-\$17BF	64 Bytes RAM from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



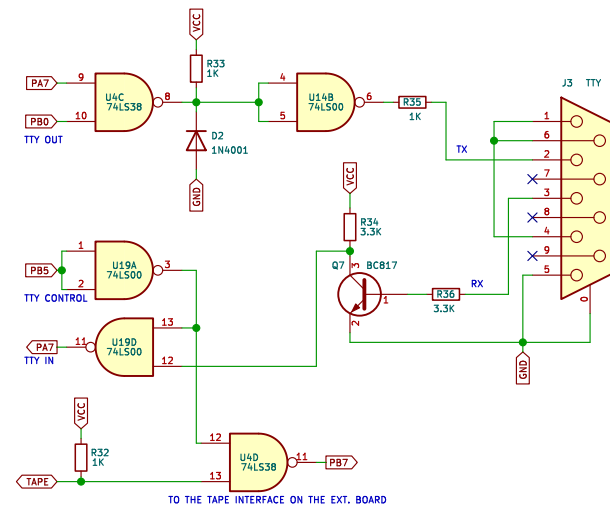
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Sheet: / File: micro-kim.kicad_sch	
<b>Title: Micro-kim</b>	
Size: A4	Date: 2022-11-05
KiCad E.D.A. kicad 7.0.9	Rev: 1.1 Id: 1/3





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: 1.1**  
 Id: 3/3