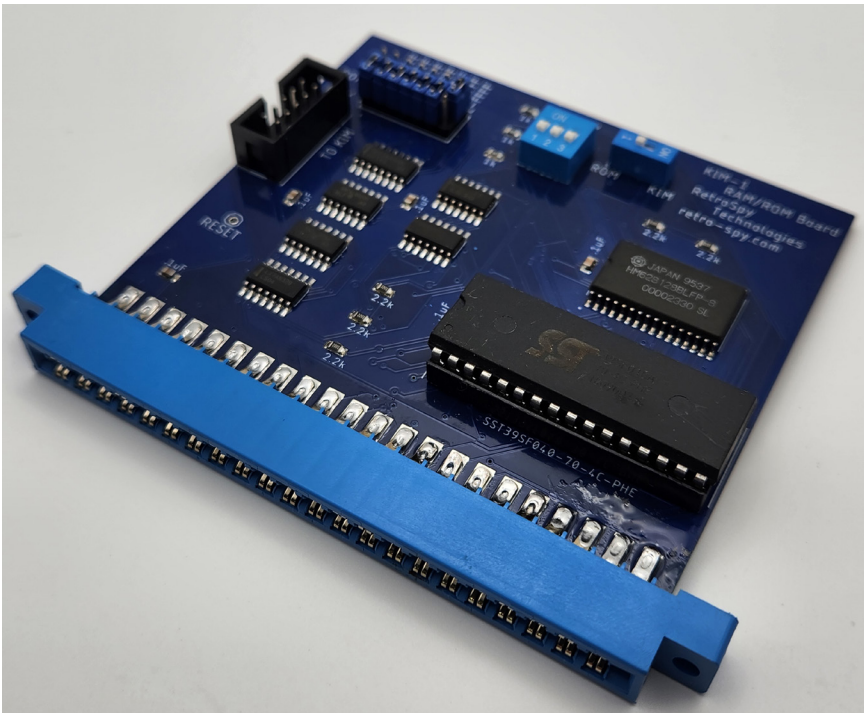




RetroSpy
Technologies

KIM-1 RAM/ROM Board



Last Updated: 06/23/2024

The KIM-1 RAM/ROM Board

The KIM-1 RAM/ROM board is custom board than expands the memory of the KIM-1 single board computer.

Features

- Can provide 8k blocks of RAM or ROM between 0x2000 & 0xFFFF
- Fills in the KIM's missing RAM between 0x0400 and 0x13FF
- 2 pages of DIP switch selectable ROM, upgradeable to 4 or 8 with a 39SF020 or 39SF040
- Includes a pre-programmed 39SF010 containing 2 pages of common KIM-1 configurations
- Backwards compatible with Corsham Technologies' KIM-1 I/O Board

Connecting the I/O Board

The RAM/ROM board connects to the Expansion connector, which is the one at the top on the left side of the KIM-1. Never plug or unplug the I/O board while the machine is powered on.

The locations of RAM or ROM are determined by the jumpers at the top of the board. Jumpered on the bottom makes RAM available at that address range. Jumpered on the top makes ROM available at that address range. No jumper in that address range and the board will not provide any RAM or ROM at that address range. Always make sure you don't have competing RAM or ROM at configured address ranges.

There are additional control lines that are required for the board to function. The easiest solution is to run the included 2x5 ribbon cable between the RAM/ROM board and a Corsham Technologies or Retro Technologies KIM-1 I/O board. Once connected ensure that the DECODE jumper on the I/O board is set to EXT and the K1-K4 DIP switches are set to where you want RAM between 0400-13FF.

If you do not have a compatible I/O board you will need to make the needed connections by hand.

2x5 Header	Application Connector
1	GND
9	C,D,E,F
10	K

Default Memory Setups

Switches			Jumpers	Contents
A16	A17	A18		
0	0	0	AAAAAAO	xKIM for SD Card System
1	0	0	AAAAAAO	Eduardo Casino's xKIM for with support for IEC/1541 floppy drives

N=None, O=ROM, A=RAM, X=Don't Care

Contact Us

If you have any problems do not hesitate to contact us for help.



support@retro-spy.com



<https://retro-spy.com/contact-us/>



[retrospydisplay](#)



<https://discord.gg/V2EHQrM>



<https://reddit.com/r/retrospy>



<https://patreon.com/retrospydisplay>