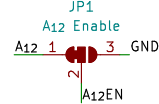


8KB working RAM (0x6000-0x7FFF) so 32KB 62256 gives us four possible banks. A13 and A14 are switchable – they are not connected to address bus.

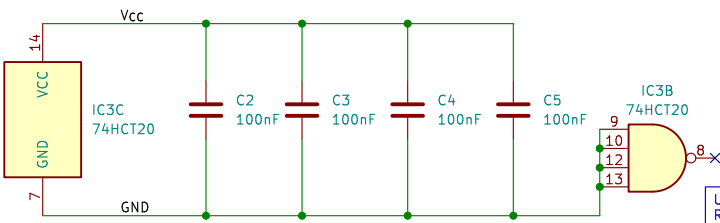
If you're not interested in switching banks, using only 8KB, then omit SW2 – A13 & A14 are pulled high by default.

If you only want the original 4KB then cut the A12-to-A12EN solder bridge and connect A12EN to GND.



Family BASIC V3 is hard-coded for a maximum of 4KB.

Some modification is required to hard coded values in the ROM to increase from 0x6FFF limit to full 0x7FFF.



Brett Hallen		
Sheet: /		
File: Family_BASIC_Cartridge.kicad_sch		
Title: Nintendo Famicom Family BASIC 8KB		
Size: A4	Date: 27/DEC/2025	Rev: A
KiCad E.D.A. 9.0.5	Id: 1/1	