



Alternate ColecoVision DRAM to SRAM Converter Installation Guide

For those uncomfortable with desoldering to install one of the Lundy Electronics ColecoVision or ADAM DRAM to SRAM Converter PCB, there is an alternative, less professional installation method that is possible.

Please read these instructions in its entirety before starting.

Instead of using a desoldering machine or hand pump to desolder the required 160 (162 on ADAM) solder pads for all the capacitors, inductors, and DRAM pins, you can use a pair of small diagonal flush cutting pliers and just cut all the components off flush with the PCB.

Start by cutting (instead of desoldering) the unneeded capacitors and inductors per the original installation guide. You can now focus on cleaning out the 27 pads needed for the SRAM converter board installation. Cut all the DRAM legs flush to the PCB **except** for the pins that have red dots in the official installation guide. The pins that have red dots need to be cut as close to the IC as possible leaving them as long as possible. Using tweezers and a regular soldering iron, grab the longer DRAM legs and heat the pin and remove. This process is performed entirely from the top side of the PCB. After removing the required DRAM pin remnants, the old solder in the pads can then be cleaned out with the same soldering iron and solder wick. *Note that adding a little fresh solder to pads makes it easier to remove the cut pins and helps the wick clean out all the old solder.*

After all the pads are clean of solder, we recommend using 99.9% isopropyl alcohol (IPA) and a paper towel to clean off the old flux from the 27 pads.

Install the Lundy Electronics DRAM to SRAM Converter PCB as instructed in the original installation guide.

I suggest you search for “using solder wick” on Youtube to get a better understanding on how it works.

These inexpensive, small Klein diagonal flush cutting pliers will do the job nicely:

<https://www.amazon.com/gp/product/B000GTMZHG>.

Solder wick:

<https://www.amazon.com/BEEYUIHF-Desoldering-Solder-No-clean-Remover/dp/B0CB3QXR8>

Original Lundy Electronics DRAM to SRAM Converter PCB installation guides:

- ADAM - <https://lundyelectronics.com/shared-files/865>
- ColecoVision - <https://lundyelectronics.com/shared-files/827>
- ColecoVision (PAL) - *future*