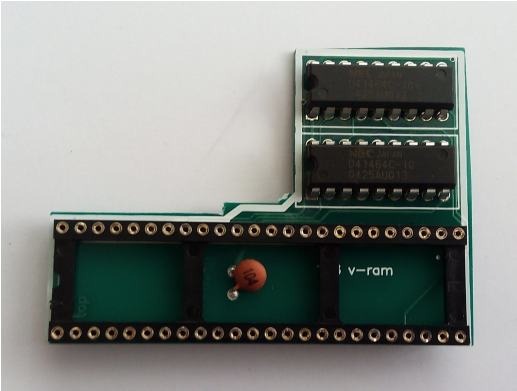# Commodore 128 / 128D 64KB VDC RAM Upgrade

The VDC (Video Display Controller) RAM Upgrade Module is a solder-less, easy to install, video memory upgrade for the Commodore 128 and 128D. The standard C128 and C128D has just 16K of video RAM, this upgrade gives you a full 64K, like the C128DCR.
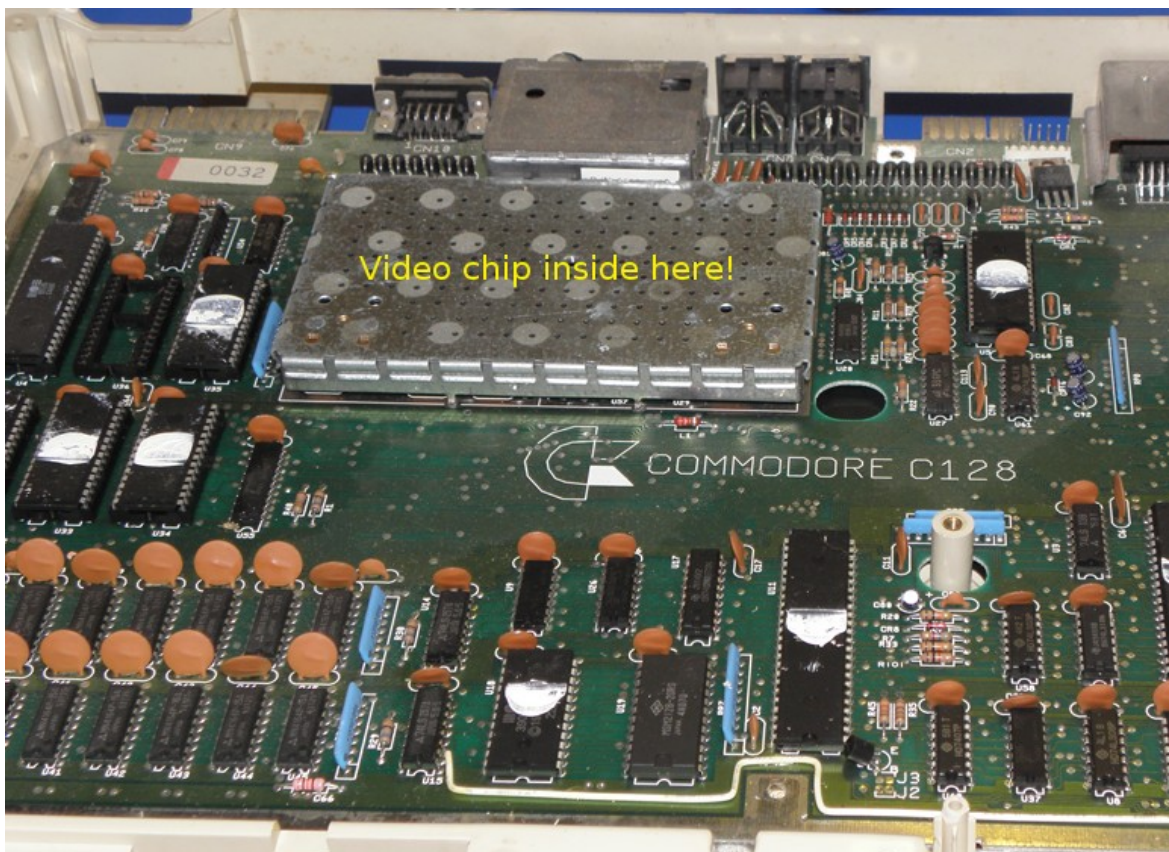
Installation is by simply removing the video chip, fitting it into the upgrade module, and placing the upgrade module where video chip was. Easy!

There are tremendous advantages to the extra RAM. Like being able to scroll through video memory, or the potential to greatly enhanced colour resolution. This is a standard feature on all the new 128DCR's and an upgrade for the 128`s.

Programs like Maverick, FasTrac 128, BASIC 8, the BASIC 8 Toolkit, Spectrum 128 and News Maker have all been coded to take advantage of the full 64K of video RAM found on the 128DCR's. So if you've got a regular C128 or C128D with only 16K of video RAM you are unable to use these programs to their full potential.
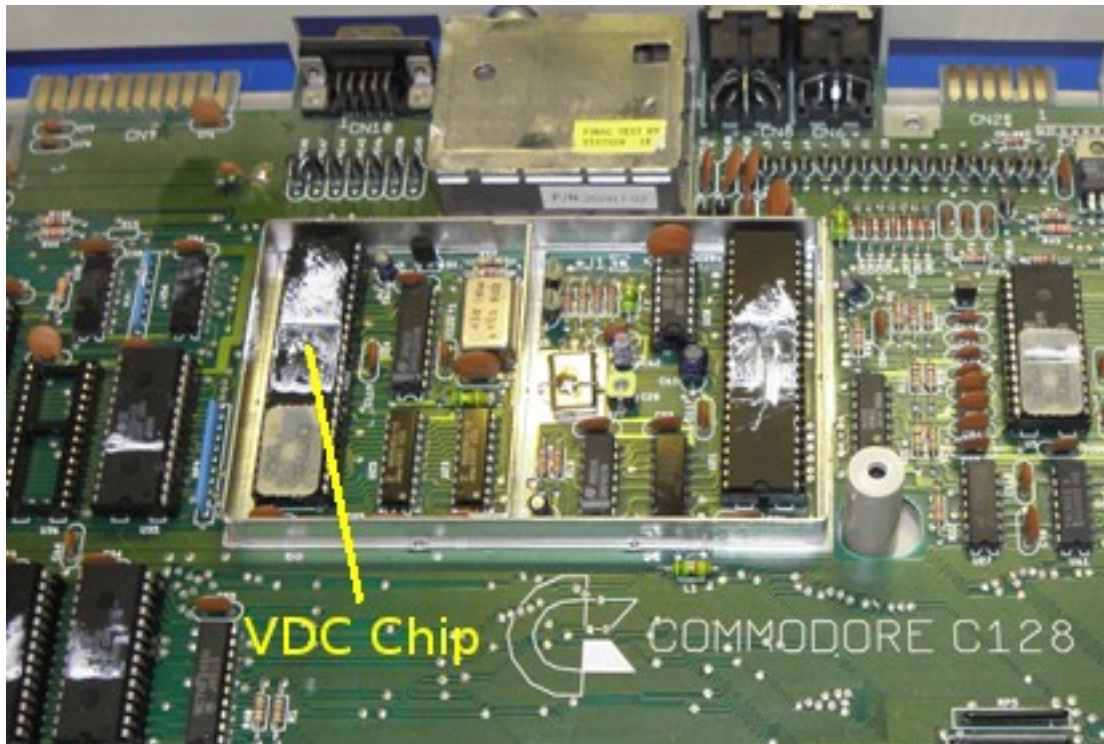
Fitting Instructions:

1. Open the Commodore's case and remove the metal screening to expose the main PCB. For the 128D this will also involve removing the power supply unit, floppy drive and floppy drive controller.
2. The VDC chip is contained underneath the metal shielded area on the main PCB. Carefully lift off the metal lid to reveal the 8563 VDC chip.
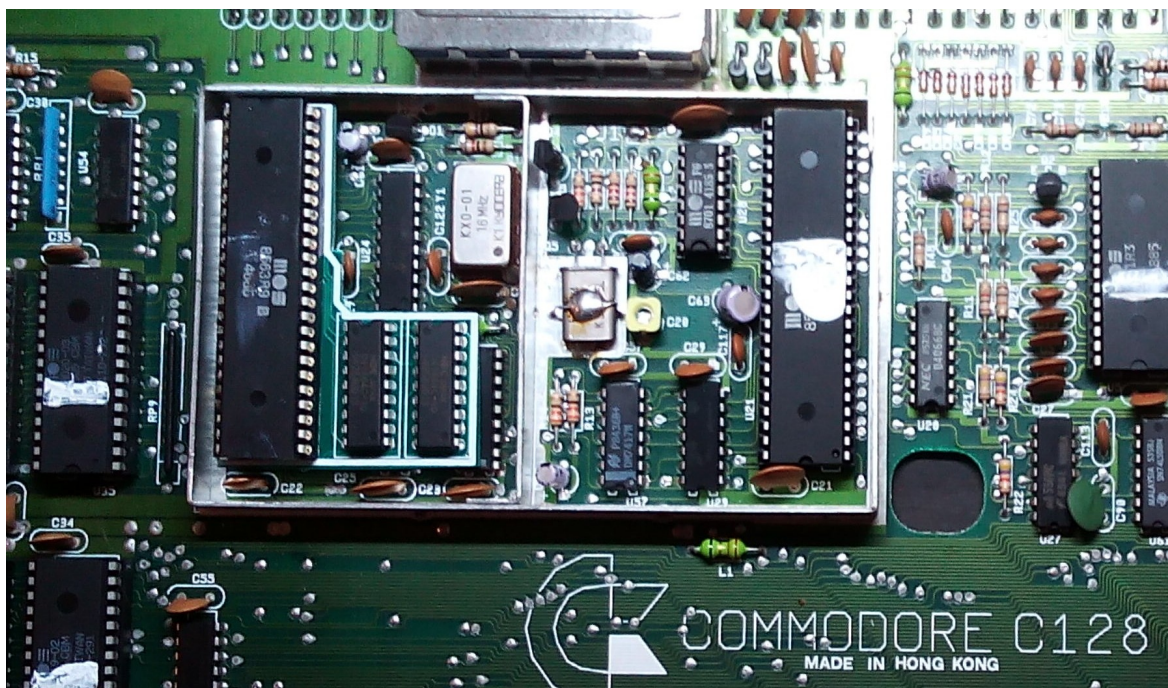
3. Carefully remove the 8563 VDC chip from it's socket.

4. Once removed insert the 8563 VDC chip into the VDC Upgrade module, making sure it is the correct orientation with the notch on the chip matching the notch on the module socket.
5. Insert the VDC Upgrade Module into the socket where the 8563 VDC chip was originally fitted.

6. Replace the metal shield lid as best you can. It may stick up slightly.
7. Re-assemble the C128 / C128D.
8. That's all there is too it. Now plug in your C128 to try it out.

I told you it was easy!