CLEARVIDEO for VIC-20

This was originally a test board for removing the vertical artifacts, which did not work. But it did give me an amazingly clear picture! This will even appear better than the "s-video mod" for VIC-20's, which disables the Composite circuit from backfeeding into S-Video. This unit will completely bypass your RF circuit block on the VIC-20. I use mine with a direct-soldered S-Video cable, but since there is no cable-relief it is only a test unit to me for diagnosing video output problems. This will remove all blurring, amazingly even from the seemingly-bluriest CRT televisions you can imagine; just pixel-perfect. If you have a bad RF circuit and can't find the problem, or if you need to test a VIC chip to determine if a video problem is the chip or not, or if you just want to have super clear video, THIS IS THE BOARD FOR YOU!

For installation, remove your VIC chip, insert device (aligning the socket notches) and then insert VIC chip (align the notch) on top.

You will need to solder 2 wires from this board to the motherboard, but first find the Luma & Chroma from the Video Port, trace these to their DIN pins and find the components in the RF block that they connect to, either using a DMM or Continuity Tester or circuit schematic. You can cut those legs to disconnect the old RF block from the DIN, or cut away the components, or just desolder one leg and pull it free so the other leg is still in place, should you ever decide to undo this change.

Solder the wires into those old leg throughholes, for Luma (J2) and Chroma (J1). Make sure nothing else connects to those wires, such as the Composite portion of the RF circuit. The only adjustment is the Color trimmer, so load up a color program and tune it in.

Note that each J1 and J2 include a ground pin (square solder pad) if you choose to have independent ground paths to a dedicated S-Video cable (dual coaxial cable).