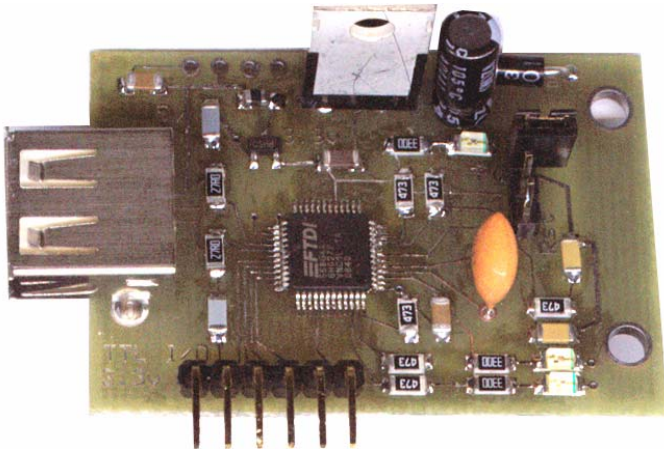
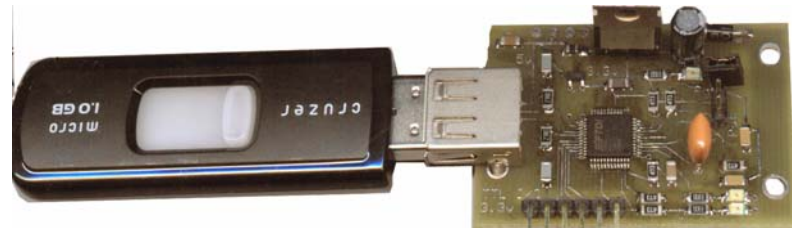


# UVNC1L Board USB Host Rev 1



VNC1 board shown assembled



Shown with a flash drive attached (flash drive not included in the kit)

UVNC1 USB Host development board based on the FTDI Vinculum VNC1L chip. The board has one USB Type A connector and provisions for a second on. The board also has a 3.3v (the RS232 lines are 5v tolerant) Serial TTL header for communication via RS232 or SPI with any mcu. The VNC1L chip is reprogrammable with firmware and utilities from Vinculum website, [www.vinculum.com](http://www.vinculum.com) . Documentation and sample applications are also available from their site. Using simple commands one can read, write, delete, files and folders on most USB flash drives. Like those used with notebooks and PC's. The kit has on on-board 5v and 3.3v regulators. USB devices that are connected to the board are provided with 5v @ 100ma

**The VNC1L chip documentation, firmware and programming applications are available for free at [www.vinculum.com](http://www.vinculum.com)**

**The VNC1L chip provided is *blank* and will have to be programmed after the board is assembled. All programming files and firmware is available free at the Vinculum website**

## Construction Hints

Assembly of this kit requires that the user has the necessary tools and skills to work with SMD (surface mount device) components. If you are not comfortable with soldering miniature parts, then please seek assistance from someone who is capable to do so. Small mistakes can cause many frustrating hours of grief in trouble shooting!

### Minimum tools required:

A fine point low power (25w max) soldering iron and thin solder. Ideally, 0.022" diameter (or less) silver-bearing non-corrosive rosin core should be used. In addition. narrow needle nose pliers, diagonal cutting pliers, good quality tweezers, large magnifying glass, volt-ohm meter, and a 7 to 12 vdc power supply.

Make sure that you work in a clean well lighted area and have adequate desk area. If you have carpeting then please be aware of static discharge as well as accidentally losing tiny components in the carpets fiber. SMD capacitors and resistors are very tiny and can quickly become lost in the carpeting.

## Disclaimer and Terms of Agreement

As with any kit, only the individual parts supplied are guaranteed against defects and not the user assembled unit. All kit parts are purchased from reputable sources such as Digikey Inc, Allied Electronics and Mouser Inc, however, should a kit part be ascertained to be defective it will be replaced at no charge within 30 (thirty) days of the purchase date. Beyond that, COMPSys Workbench and / or the COMPSys developer(s) assume no liability and WILL NOT be held liable nor be held responsible wholly or in part for any damages caused by the construction of and / or use of their products sold .



# VNC1 Circuit General Schematic

(due to on going changes it may not correspond with the actual circuit board)

