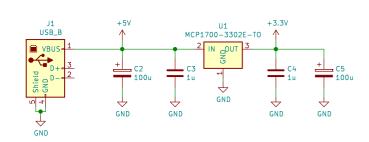
uCHIP SIMPLE VGA CONSOLE V2.1

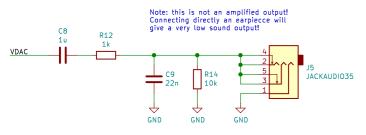
uCHIP AND OSCILLATOR



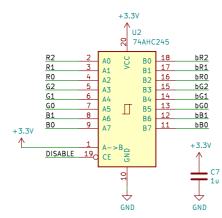
DC IN AND SD+OSCILLATOR 3.3V REGULATOR



AUDIO FILTER AND OUTPUT

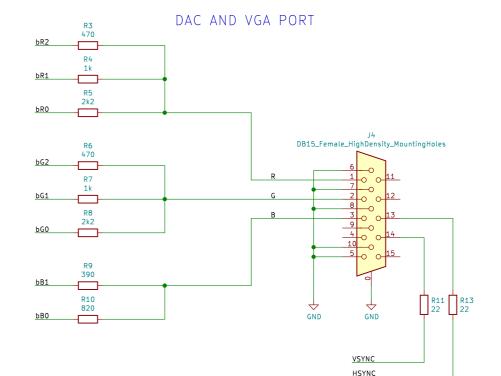


BUFFER



The buffer is only required for the SD card, and the SPI video mode. However, If you do not require it, put a 560-Ohm resistor between GO and the 3.3V, to prevent SWDCK being sensed as "low" during reset. If such pin is held low, uChip will not boot up.

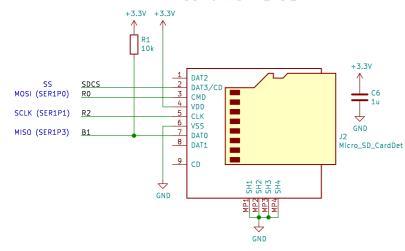
Do NOT use a 74HC245 instead of a 74AHC245!



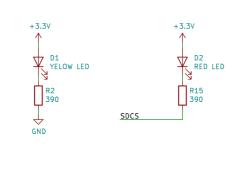
MOUNTING HOLES



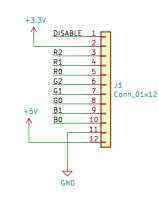
SD CARD READER



INDICATION LEDs



EXPANSION PORT







This schematics and layout are provided as is and they are distributed in the hope that they will be useful, but WITHOUT ANY WARRANTY express or implied, including — but not limited to, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. We might make changes to specifications, product description and documentation at any time, without notice, therefore there this schematics might not reflect the current version of the product. You should not finalize a design using this information.

Author: N.W. next-hack.com

Title: uChip Simple VGA Console (uSVC)

Size: A3 Date: KiCad E.D.A. kicad (5.0.2)