

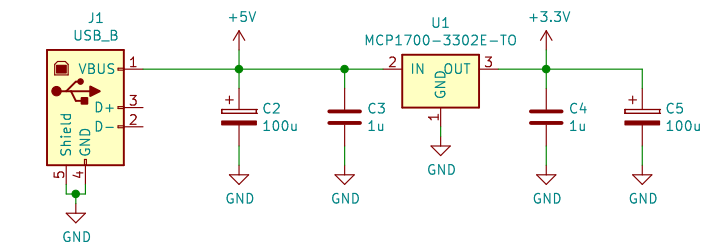
uCHIP SIMPLE VGA CONSOLE V2.1

uCHIP AND OSCILLATOR

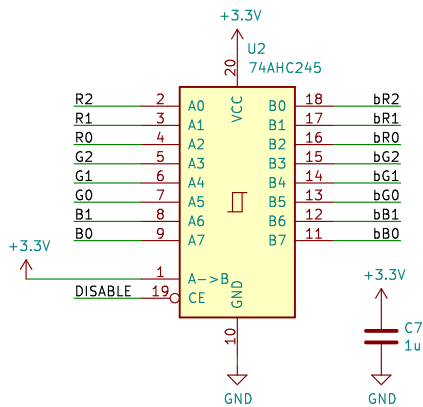


NOTE!!!
If G0 is connected to some pull down node, then a strong pull up is required, so that during reset G0 stays high. Otherwise uChip won't boot up.

DC IN AND SD+OSCILLATOR 3.3V REGULATOR



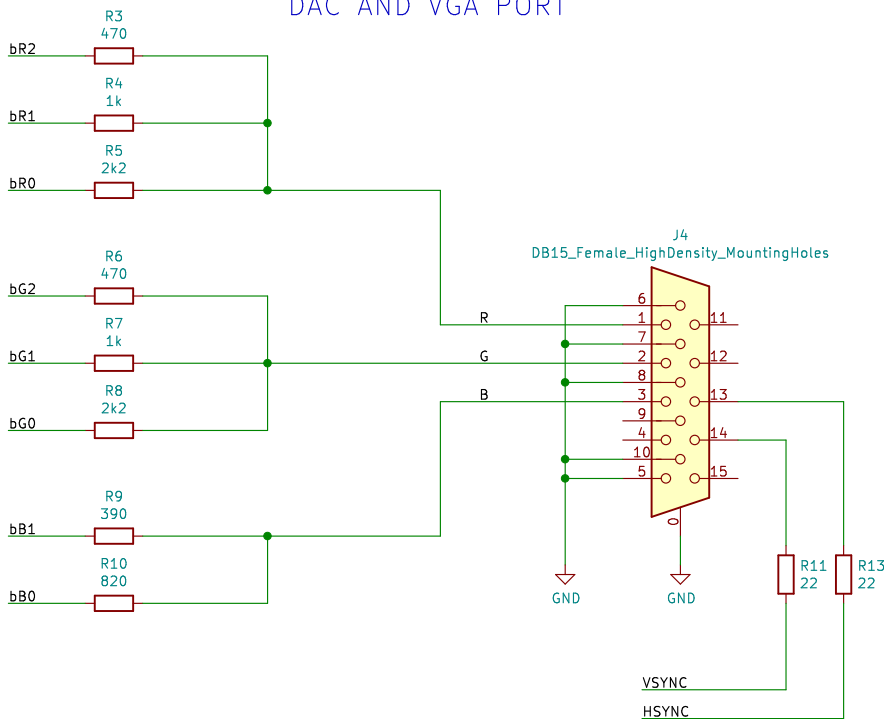
BUFFER



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 G0 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!

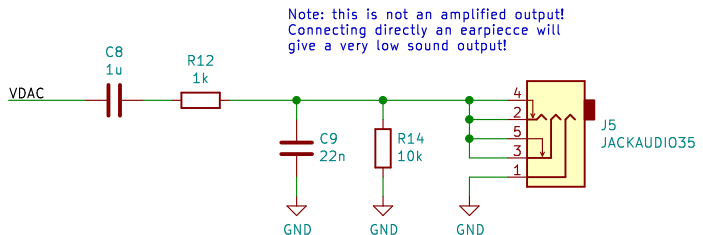
DAC AND VGA PORT



MOUNTING HOLES

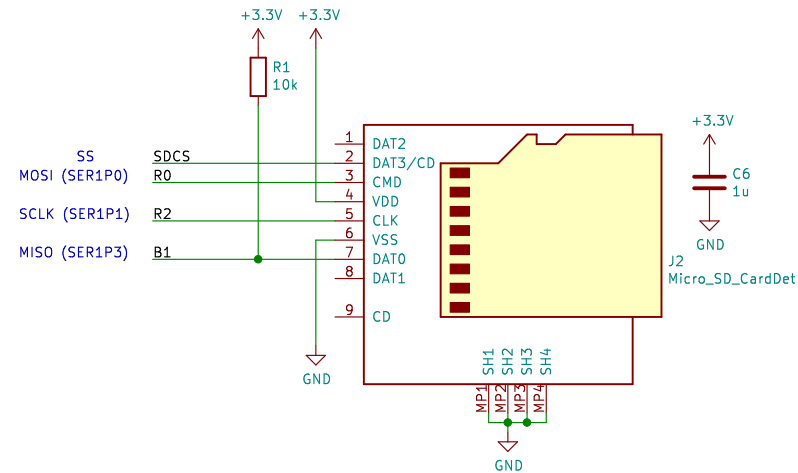
- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole

AUDIO FILTER AND OUTPUT

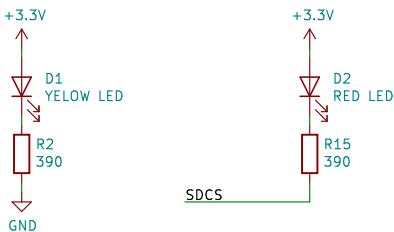


Note: this is not an amplified output!
Connecting directly an earpiece will give a very low sound output!

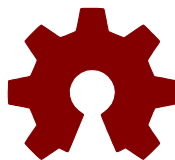
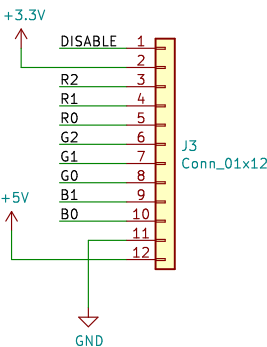
SD CARD READER



INDICATION LEDs



EXPANSION PORT



Sheet: /		
File: uChipVGA2V1.sch		
Title:		
Size: A3	Date:	Rev:
KiCad E.D.A. kicad (5.0.2)-1	Id: 1/1	