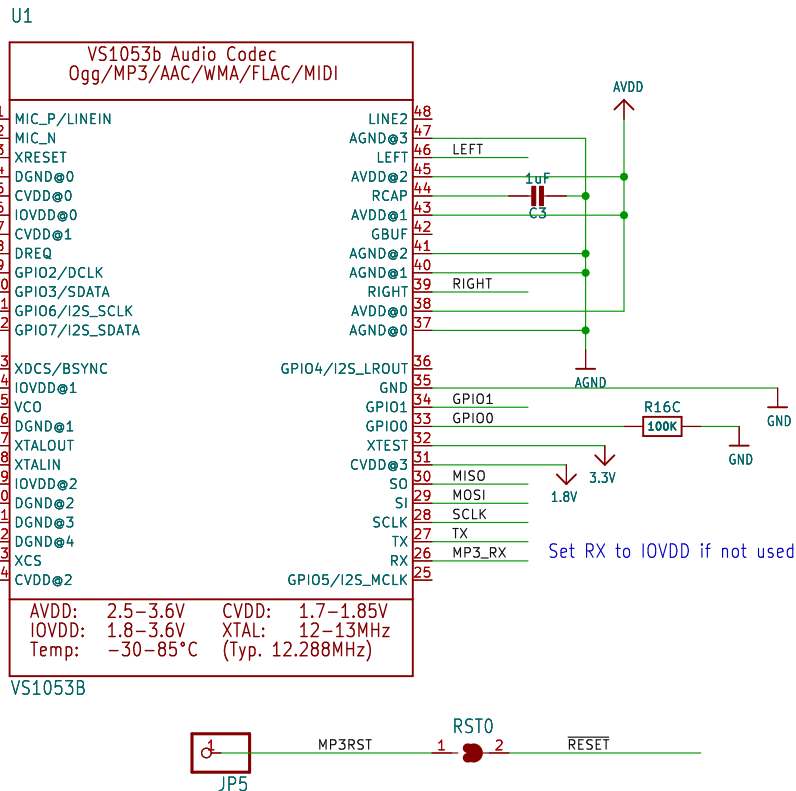


Enabling the IC too soon can cause transients during power up which can damage the earphones and causes 'clicks' ... this setup should minimize that. See section 8 of <http://www.vlsi.fi/uploads/media/vs10XXan.pdf>

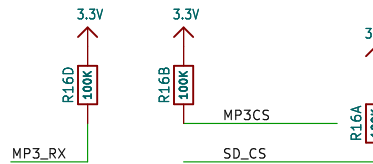
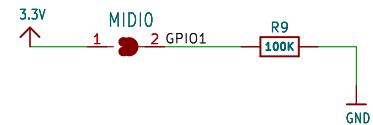
DREQ high = at least 32 bytes free in FIFO

C4,C5 = 2*CL - 2*Cstray
C4,C5 = 2*10pF - 2*5pF
C4,C5 = 10pF

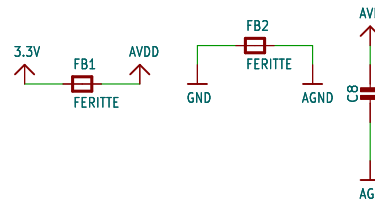
VS1053 oscillator requires 1M resistor for DC bias



Disable SPI boot with GPIO0 low



Analog Supply Filtering



Note on speaker choice (4/8/16/32 ohm, etc.):

Using speakers more resistive than 4-Ω dramatically increases the thermal performance by reducing the output current and increasing the efficiency of the amplifier.

