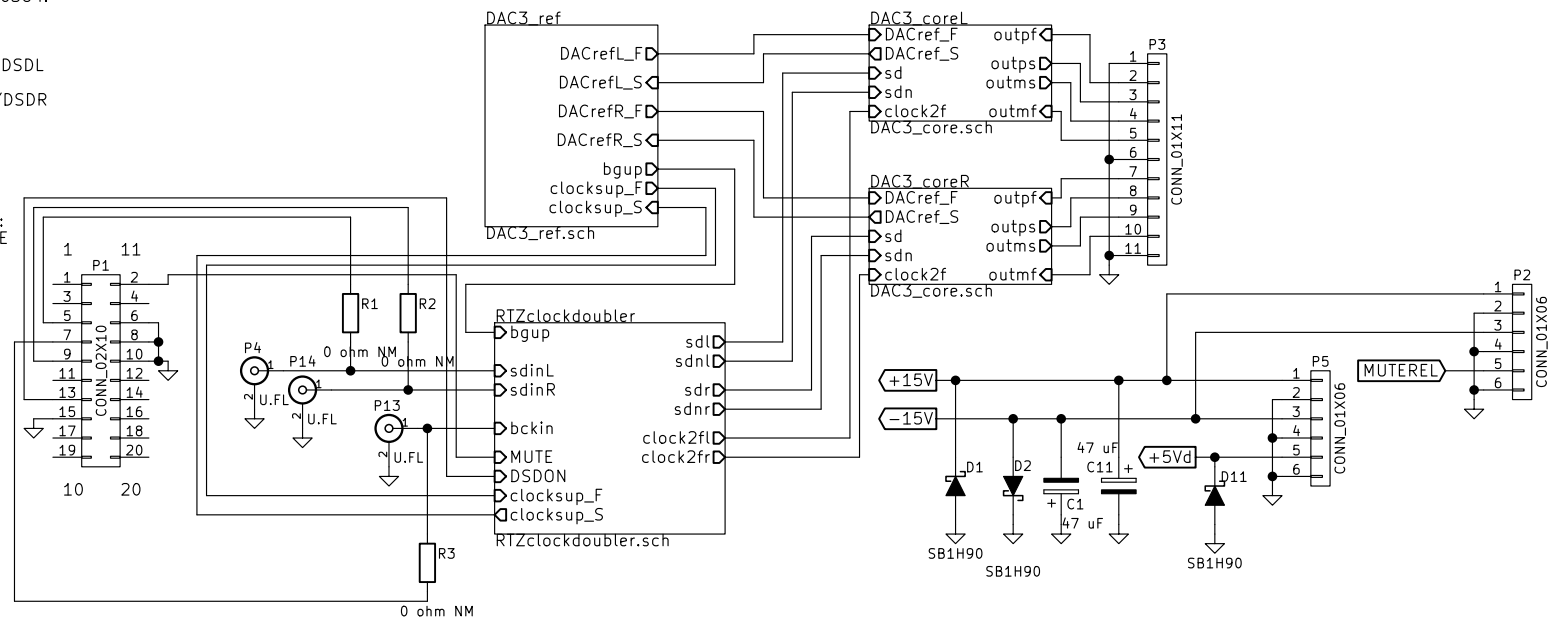
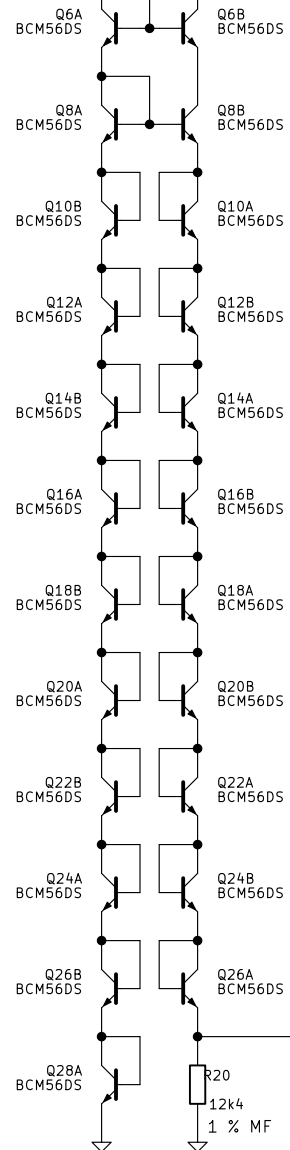


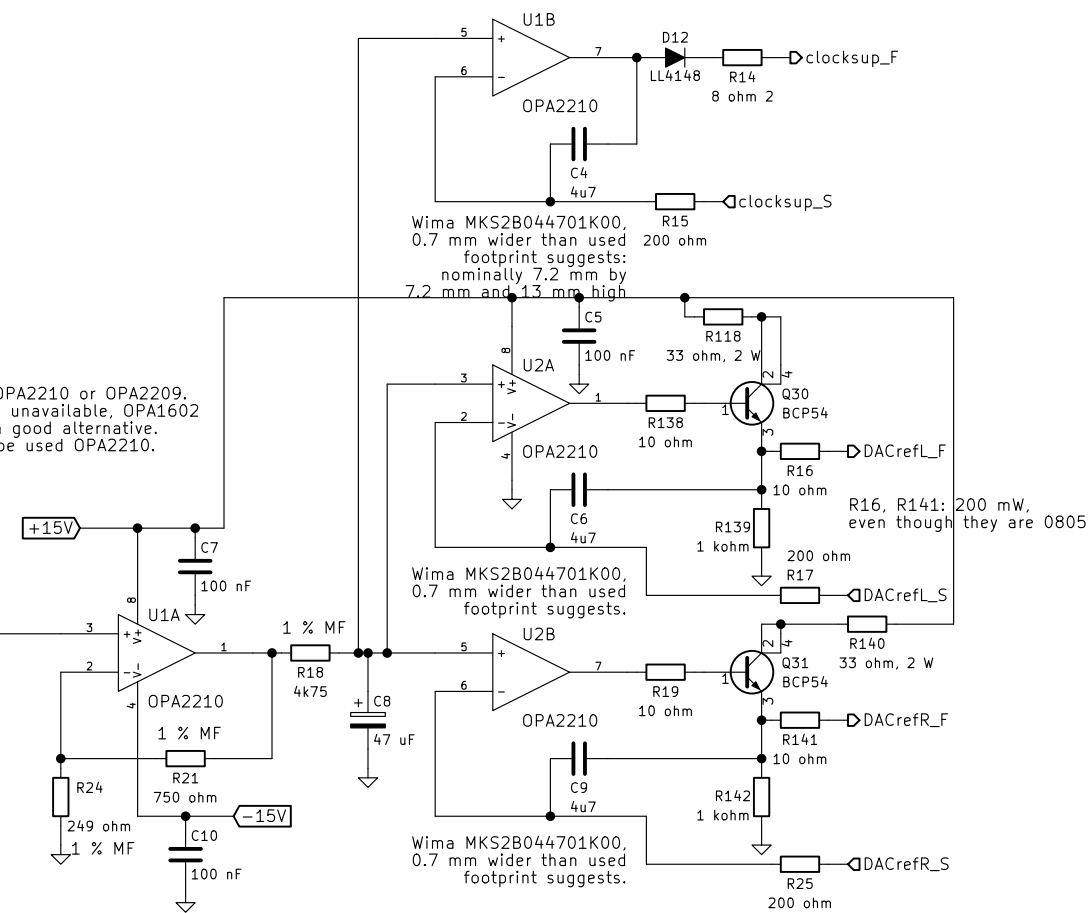
side of pin 1:
XTMS
XTDO
OUT_I2S_DATA/DSDL
OUT_I2S_CLK
OUT_I2S_FSCL/DSDR
OUT_MCLK
OUT_DSD_ON
GND
VCC_3.3V
VCC_3.3V

Side of pin 20:
XTCK_OUT_MUTE
XTDI
GND
GND
GND
DSD64_128
FS0
FS1
FS2
FS3

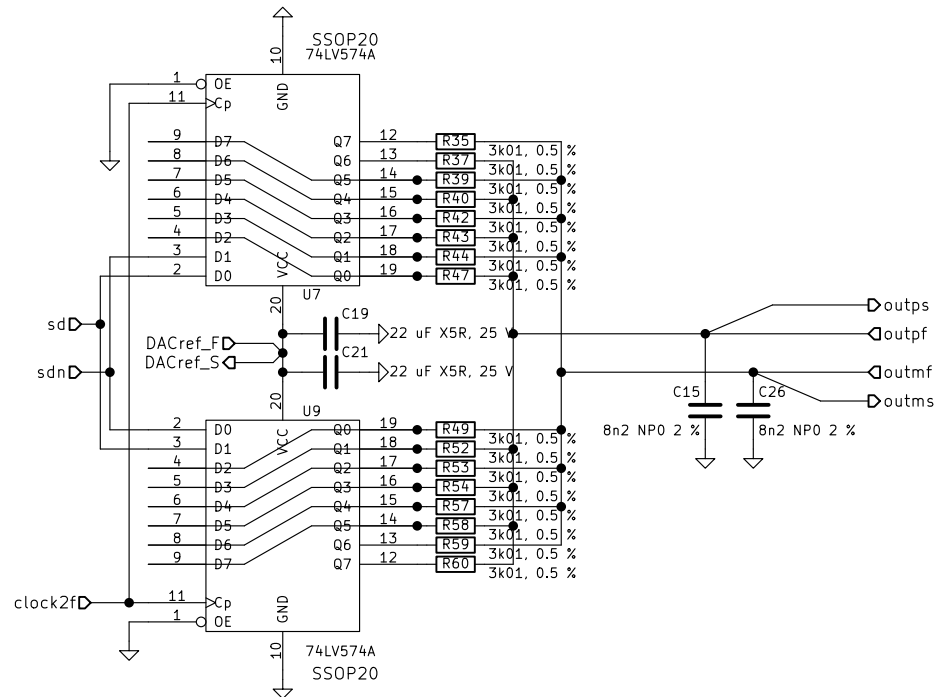




U1, U2:
preferably OPA2210 or OPA2209.
If those are unavailable, OPA1602
should be a good alternative.
The prototype used OPA2210.

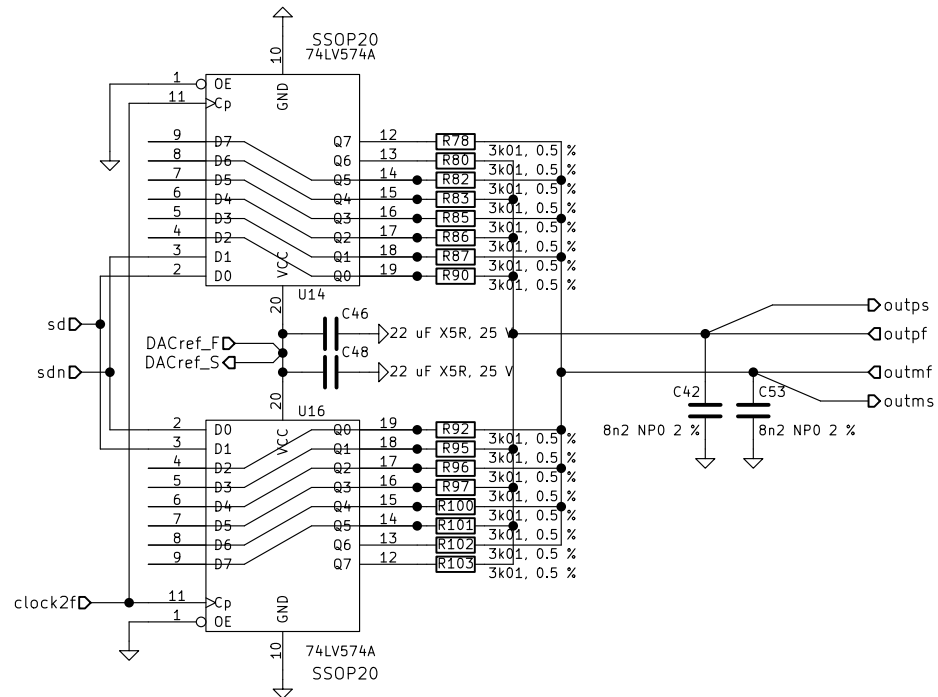


All DAC resistors thin film



The 22 uF X5R capacitors can have a lower voltage rating (16 V or even 10 V) if their nonlinearity is not too extreme, that is, if they have at least 70 % of their nominal capacitance at 5 V. 1206 capacitors should also fit on the 1210 PCB footprints.

All DAC resistors thin film



The 22 uF X5R capacitors can have a lower voltage rating (16 V or even 10 V) if their nonlinearity is not too extreme, that is, if they have at least 70 % of their nominal capacitance at 5 V. 1206 capacitors should also fit on the 1210 PCB footprints.

