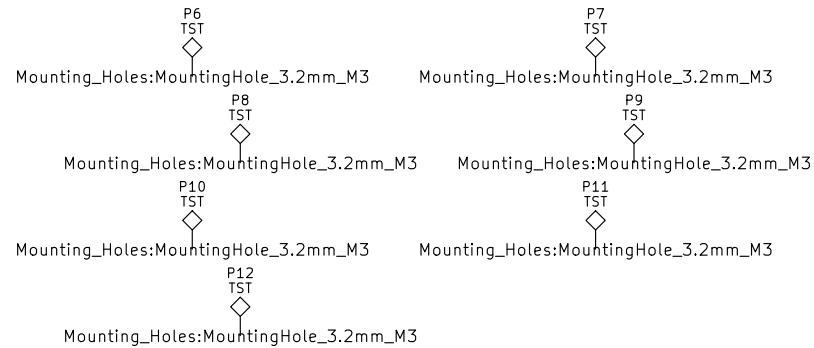
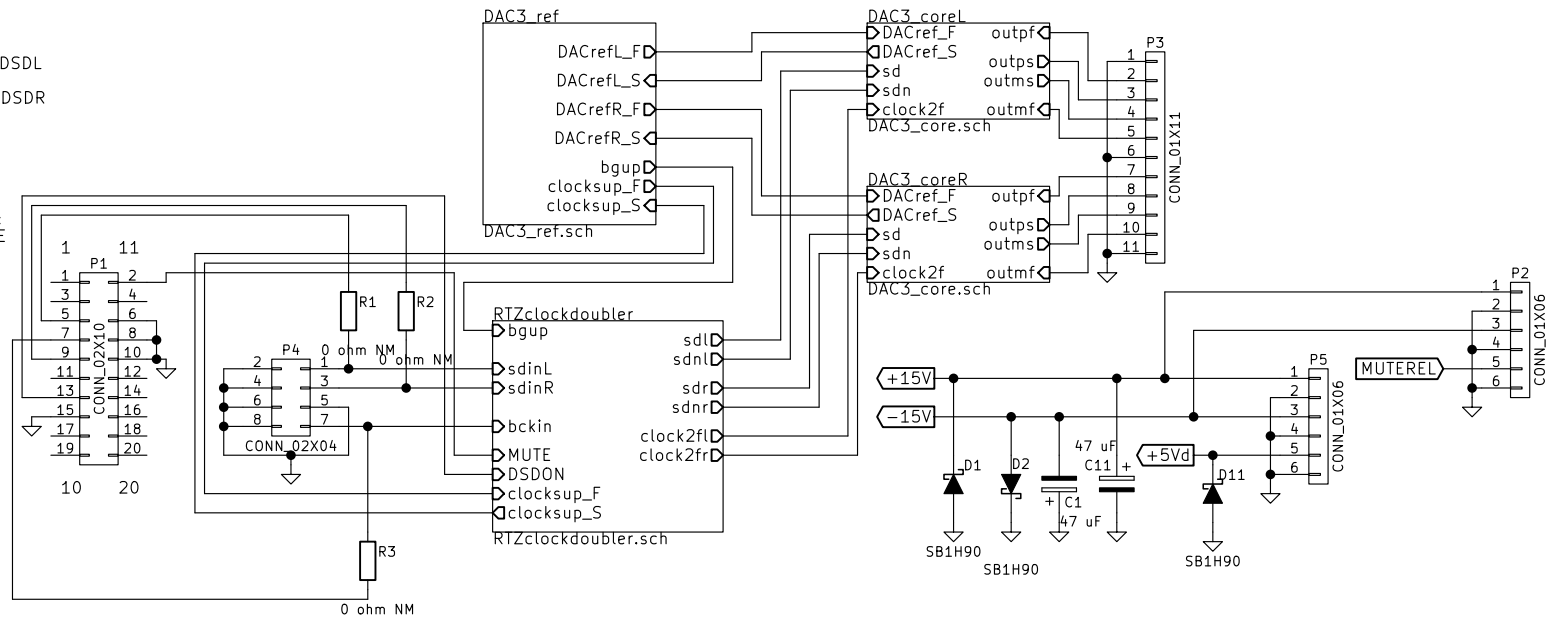
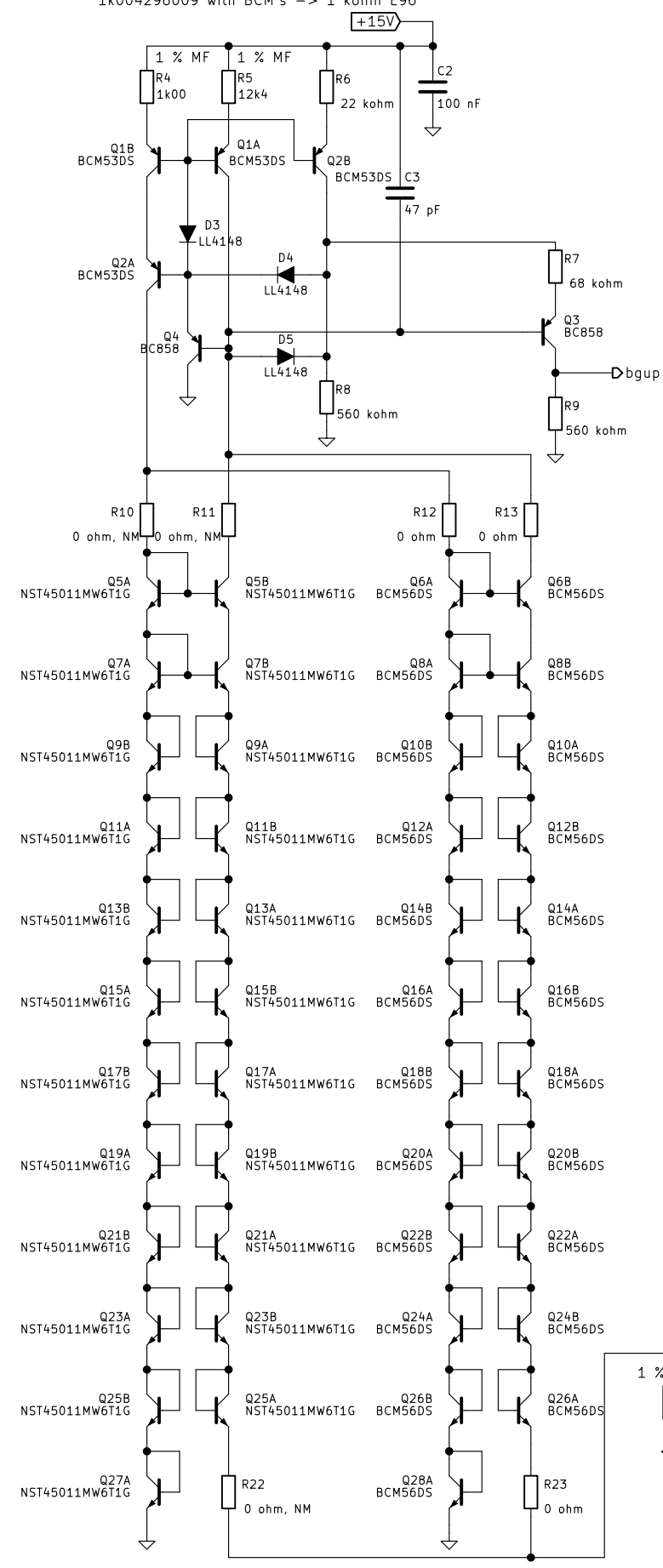


Amanero Combo384:
side of pin 1:
XTMS
XTDO
OUT_I2S_DATA/DSDL
OUT_I2S_CLK
OUT_I2S_FSCL/DSDR
OUT_MCLK
OUT_DSD_ON
GND
VCC_3.3V
VCC_3.3V

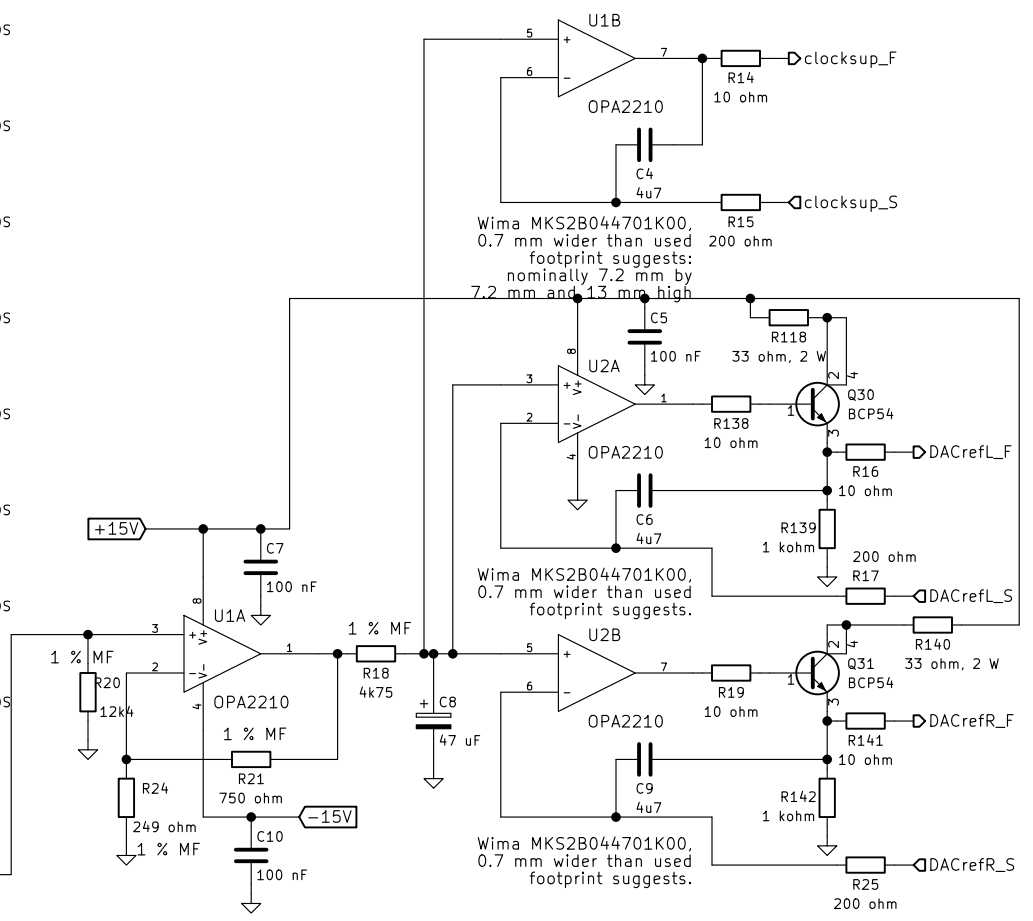
Side of pin 20:
XTCK_OUT_MUTE
XTDI
GND
GND
GND
DSD64_128
FS0
FS1
FS2
FS3



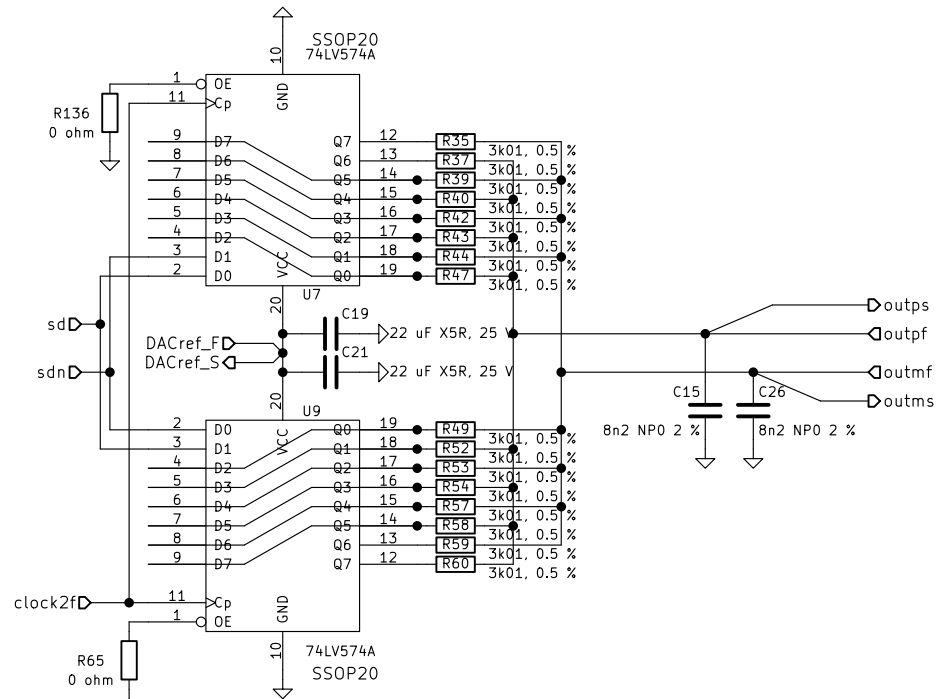
R4:
1k114029104 with NST...-transistors -> 1k1 or 1k13 E96
1k004298009 with BCM's -> 1 kohm E96



1 % MF:
+/- 1 %, 0.6 W through-hole metal film resistors

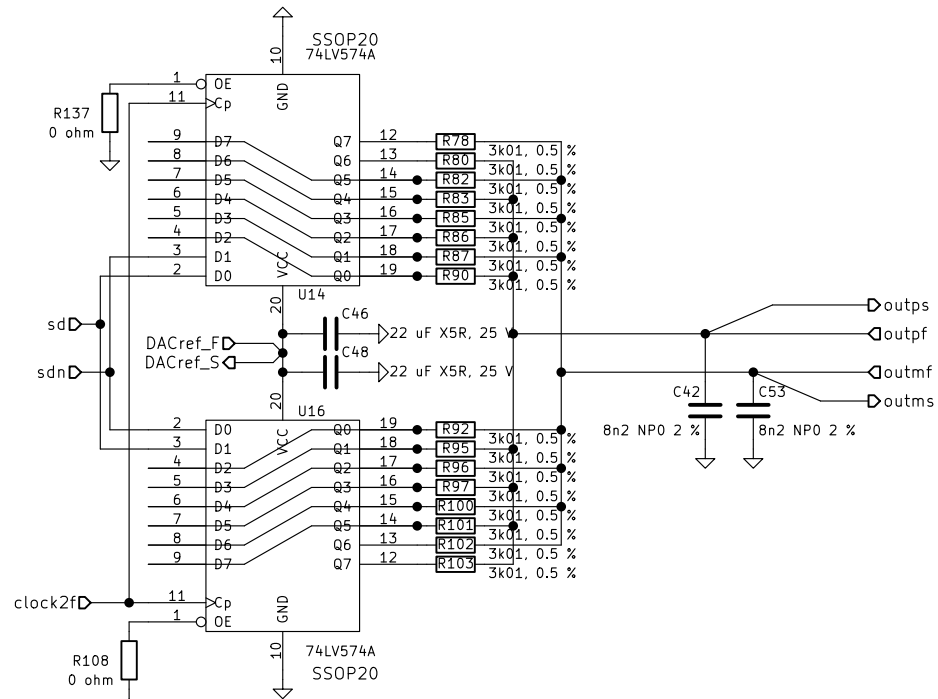


All DAC resistors thin film

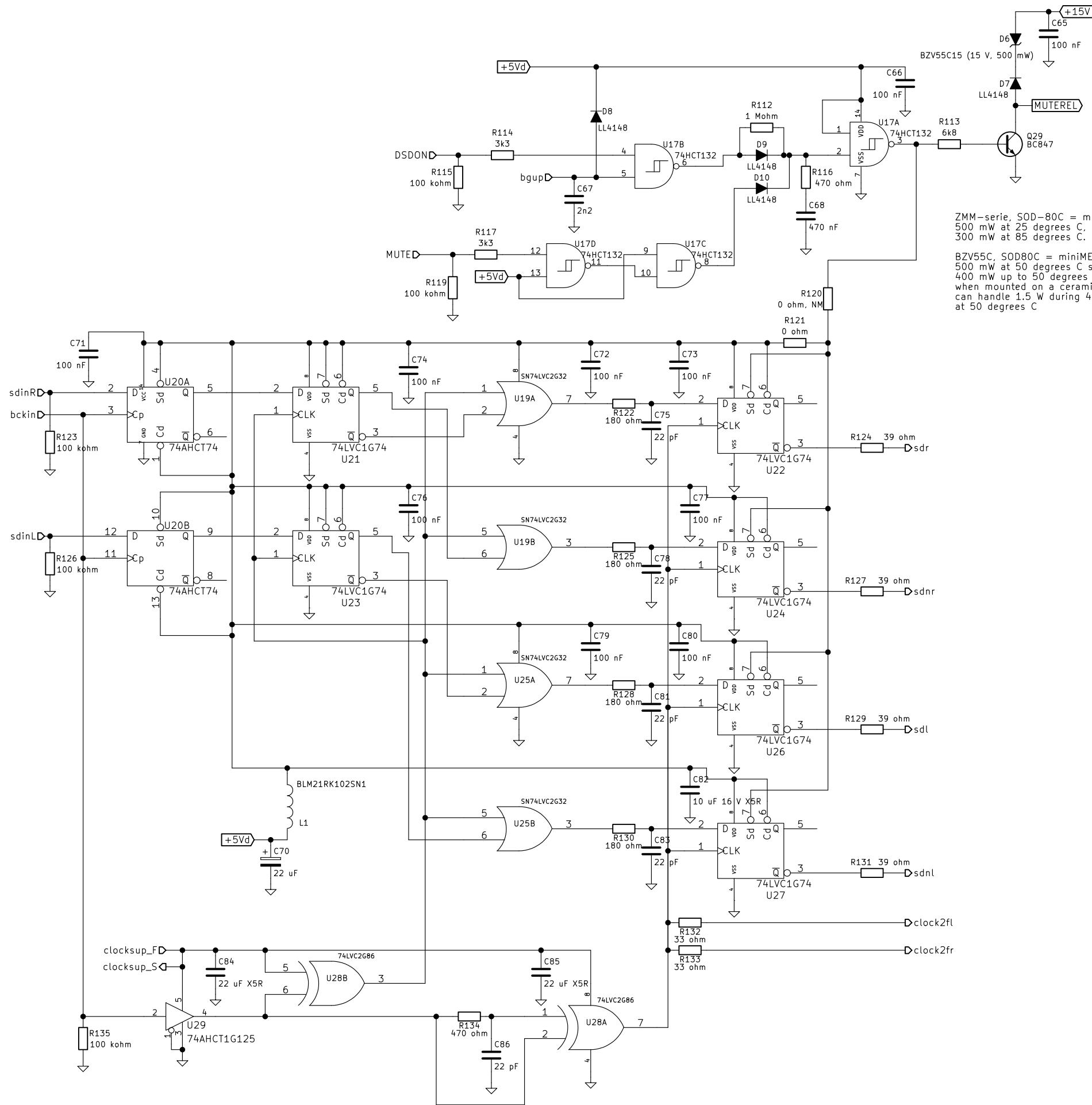


The 22 uF X5R capacitors can have a lower voltage rating (16 V or even 10 V) if their nonlinearity is not too extreme, that is, if they have at least 70 % of their nominal capacitance at 5 V. 1206 capacitors should also fit on the 1210 PCB footprints.

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.



ZMM-serie, SOD-80C = miniMELF:
500 mW at 25 degrees C,
300 mW at 85 degrees C.

BZV55C, SOD80C = miniMELF:
500 mW at 50 degrees C solder point
400 mW up to 50 degrees C ambient
when mounted on a ceramic PCB,
can handle 1.5 W during 450 ms
at 50 degrees C