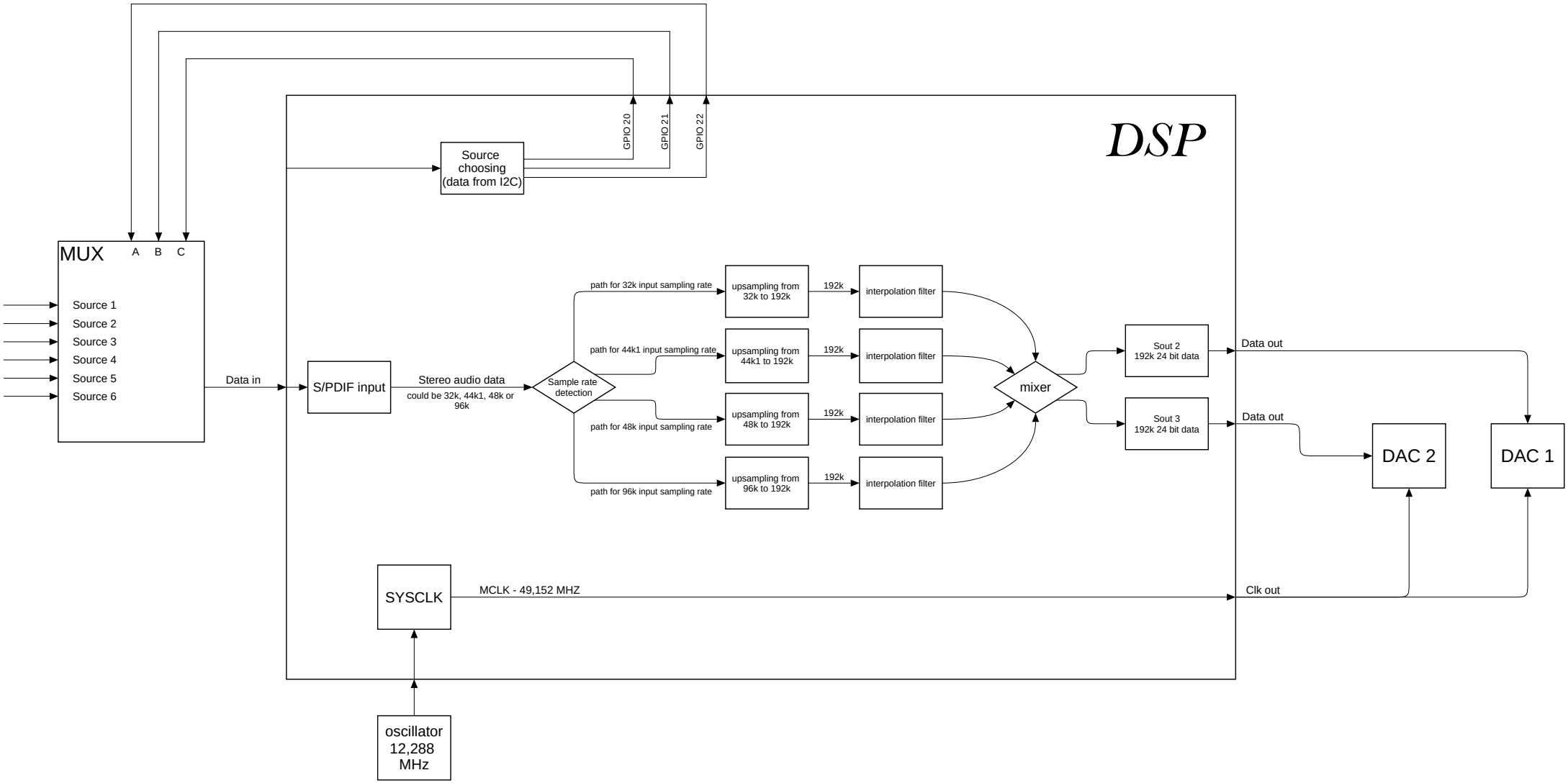

DSP
GPIO 20
GPIO 21
GPIO 22
Source choosing (data from I2C)
MUX
A
B
C
Source 1
Source 2
Source 3
Source 4
Source 5
Source 6
Data in
S/PDIF input
Stereo audio data
could be 32k, 44k1, 48k or 96k
Sample rate detection
path for 32k input sampling rate
path for 44k1 input sampling rate
path for 48k input sampling rate
path for 96k input sampling rate
upsampling from 32k to 192k
upsampling from 44k1 to 192k
upsampling from 48k to 192k
upsampling from 96k to 192k
192k
interpolation filter
mixer
Sout 2 192k 24 bit data
Sout 3 192k 24 bit data
Data out
Data out
DAC 2
DAC 1
SYSCLK
MCLK - 49,152 MHZ
Clk out
oscillator 12,288 MHz