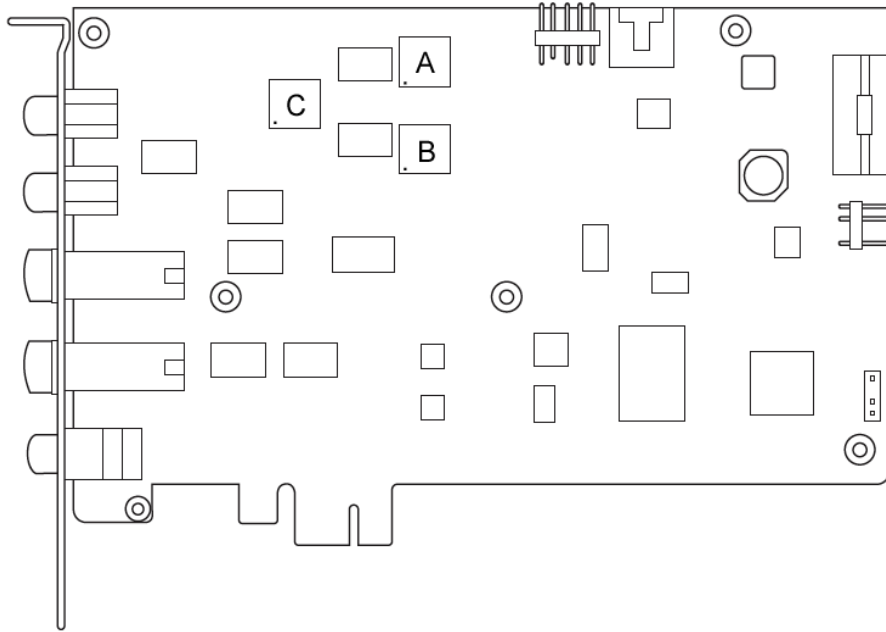


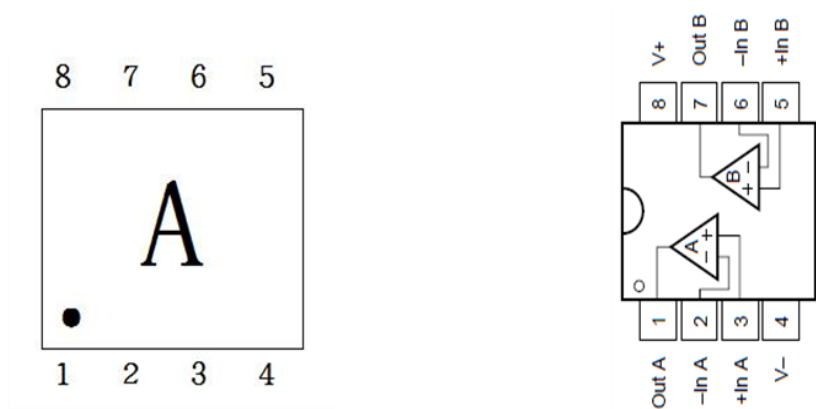
Xonar Essence STX

OP AMP socket pin description



Please refer to the photo above. A, B, C, they are the three sockets for OP amps. Modifying OP A,B and C will change the tonal quality of RCA outputs, while modifying OP A and B changes the tonal quality of 1/4" Headphone output.

Their pins description is as following. Pin 1 is at the left and bottom corner. You can change OP amps that meet following requirements. There are two OP amps in each 8 pin package.



OPA socket on the STX

OPA pin define

A. Right channel OP socket----I/V converter

Pin 1: OPA A output.-----5.85 Vpp output

Pin 2: OPA A negative input-----7.8mA input

Pin 3: OPA A positive input-----7.8mA input

Pin 4: -12V

Pin 5: OPA B positive input-----7.8mA input

Pin 6: OPA B negative input-----7.8mA input

Pin 7: OPA B output.-----5.85 Vpp output

Pin 8: +12V

B. Left channel OP socket-----I/V converter

Pin 1: OPA A output.-----5.85 Vpp output

Pin 2: OPA A negative input-----7.8mA input

Pin 3: OPA A positive input-----7.8mA input

Pin 4: -12V

Pin 5: OPA B positive input-----7.8mA input

Pin 6: OPA B negative input-----7.8mA input

Pin 7: OPA B output.-----5.85 Vpp output

Pin 8: +12V

C. Right and Left channel differential to single end

Pin 1: OPA A output.-----2Vrms output

Pin 2: OPA A negative input-----5.85 Vpp input

Pin 3: OPA A positive input-----5.85 Vpp input

Pin 4: -12V

Pin 5: OPA B positive input-----5.85 Vpp input

Pin 6: OPA B negative input-----5.85 Vpp input

Pin 7: OPA B output.----- 2Vrms output

Pin 8: +12V