```
module Mixing {
    ///////// ADC /////////
    inout              ADC_CS_N ,
    output             ADC_DIN ,
    input              ADC_DOUT ,
    output             ADC_SCLK ,

    ///////// ADC /////////
    input              AUD_ADCDAT ,
    inout              AUD_ADCLRCK ,
    inout              AUD_BCLK ,
    output             AUD_DACDAT ,
    inout              AUD_DACLRCK ,
    output             AUD_XCK ,

    ///////// clocks /////////
    input              clock2_50 ,
    input              clock3_50 ,
    input              clock4_50 ,
    input              clock_50 ,

    ///////// HEX /////////
    output      [6:0]  HEX0 ,
    output      [6:0]  HEX1 ,
    output      [6:0]  HEX2 ,
    output      [6:0]  HEX3 ,
    output      [6:0]  HEX4 ,
    output      [6:0]  HEX5 ,

    ///////// FOO /////////
    output      [2]    FOO ,
}
```