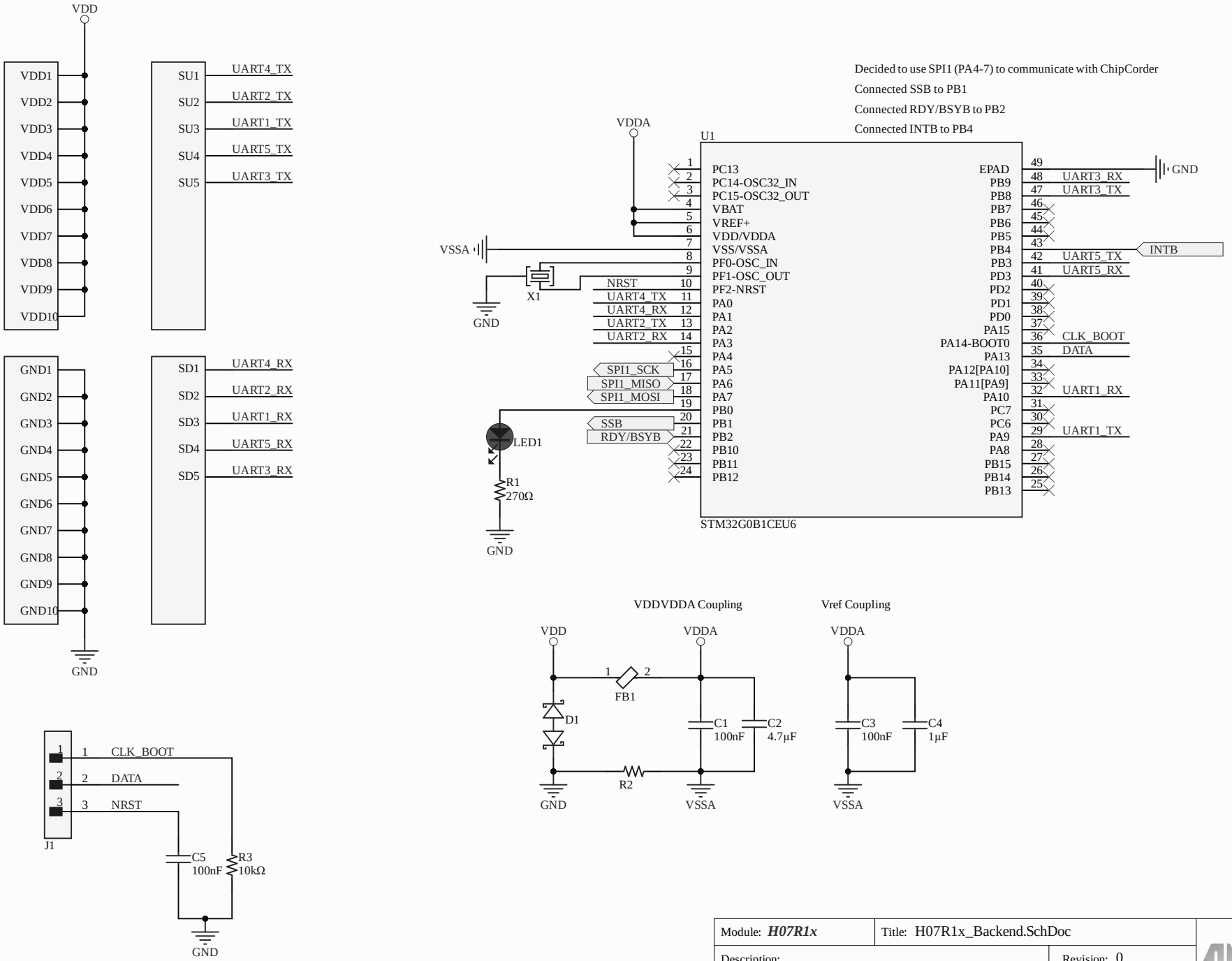

Module: ***H07R1x***	Title: H07R1x_Backend.SchDoc	
Description: Speaker and ChipCorder module		Revision: 0 Size: Letter
Date: 11/20/2025	Time: 1:45:52 PM	Sheet 1 of 3

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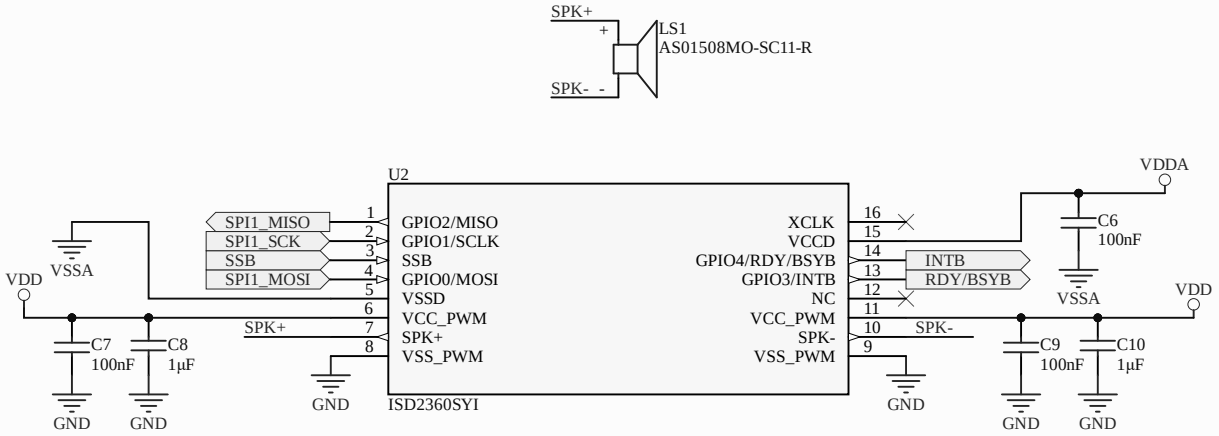

Chose to connect PWM power supplies to VDD and GND because they may need high current

Chose to connect digital power to VDDA and VSSA because those are what the STM32's digital power supplies are connected to

Added extra 1uF decoupling capacitors to PWM power ports because they may need high current

Decided to use STM32's SPI1 (PA4-7) to communicate with MCU

Connected SSB to PB1

Connected RDY/BSYB to PB2

Connected INTB to PB4

Chose not to connect XCLK, as: "The ISD2360 requires no external clock sources or components except a speaker"

Module: ***H07R1x***	Title: H07R1x_Frontend.SchDoc	
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Date: 11/20/2025	Time: 1:45:53 PM	Sheet 2 of 3

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