Introduction
The custom Electronic Accordion is a portable synthesizer with an interface similar to accordions. Electric Accordions do exist, but they only provide a way for accordions to send electrical signals and not an option to change the accordion sounds or behavior. The Custom Electric Accordion provides this option.

Results
- MCU isn’t connecting.
- DAC isn’t communicating
- Theremin antenna functions

Design
Divided Custom Electric Accordion into modules so that parts can be interchanged.

Conclusions
- Even in failing in producing the Custom Electric Accordion. There was some success.
- Before designing the pcb, verify the software will do what you need it to do.
- Before designing with a part, verify the part does what it says.
- To ensure that a hardware bug isn’t caused by poor soldering, consider going to a PCB assembler

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