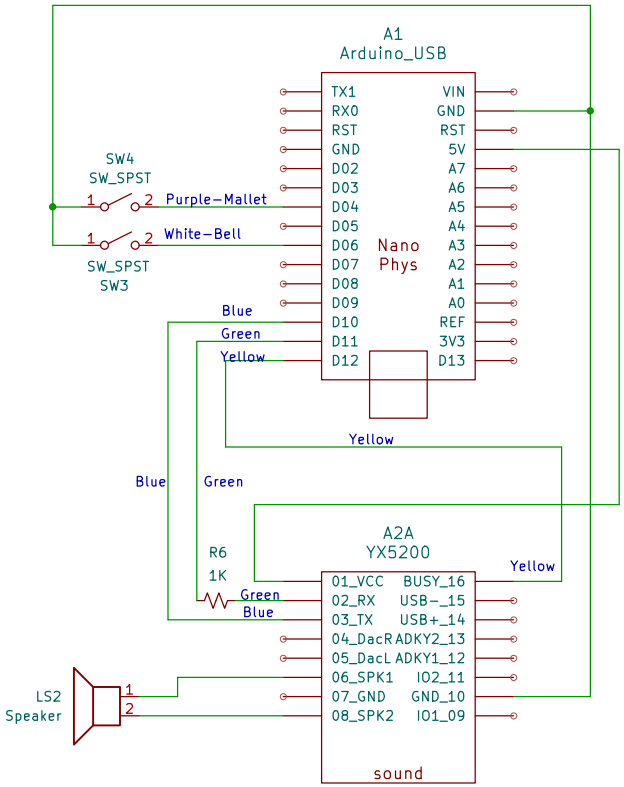
Arduino Nano/Uno and YX5200 5V Works Reliably



74HCT125N

File: 74HCT125N.kicad_sch

3.3V Power

File: 3.3V.kicad_sch

3.3V UART

File: 3.3V_UART.kicad_sch

https://github.com/Mark-MD047/RingTheBell

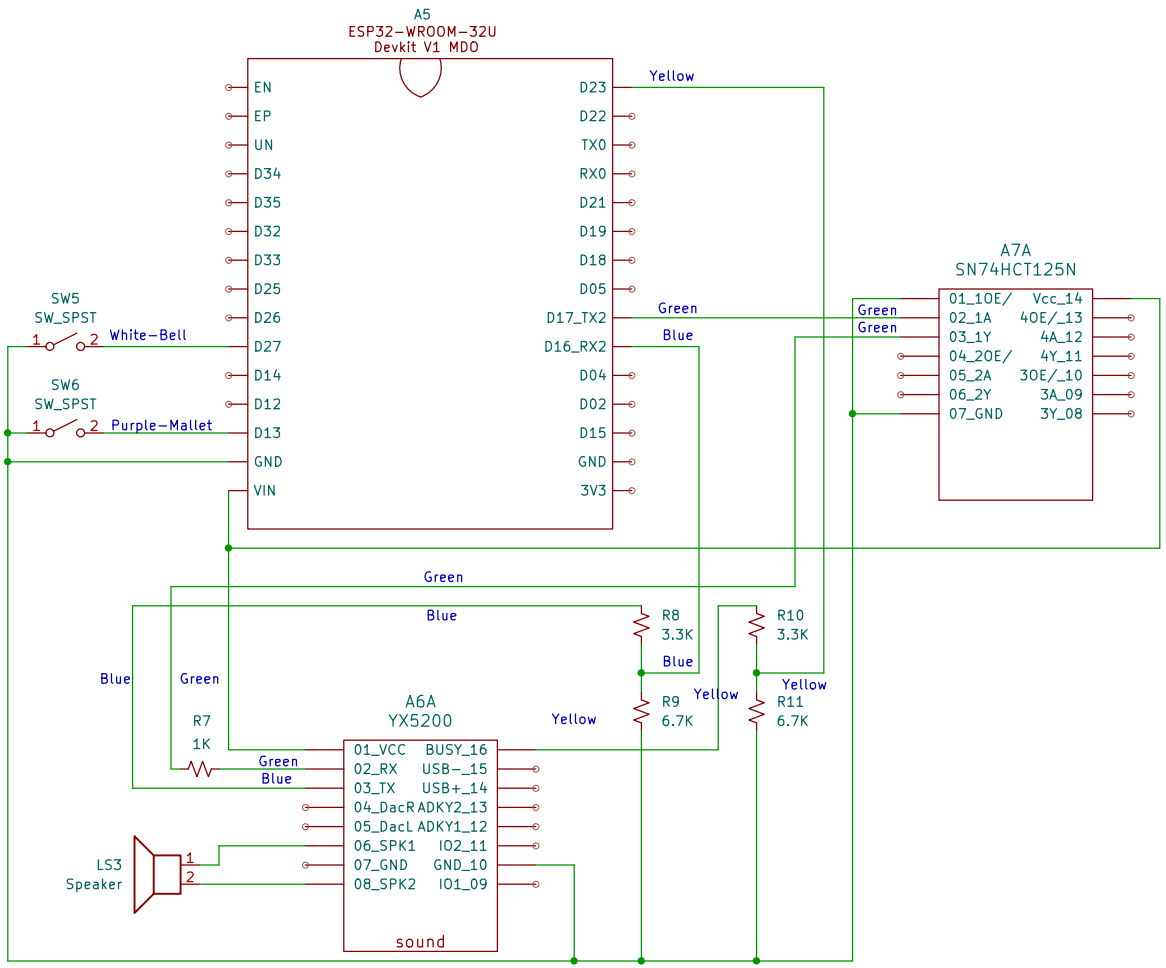
Sheet: /

File: RingTheBell.kicad_sch

Title: Ring the Bell Prototypes

Size: USLetter	Date: 2025-06-20	**Rev: Rev 0.9**
KiCad E.D.A. 9.0.2		Id: 1/4

YX5200 5V Power and 5V UART Works Reliably



https://github.com/Mark-MDO47/RingTheBell

Sheet: /74HCT125N/
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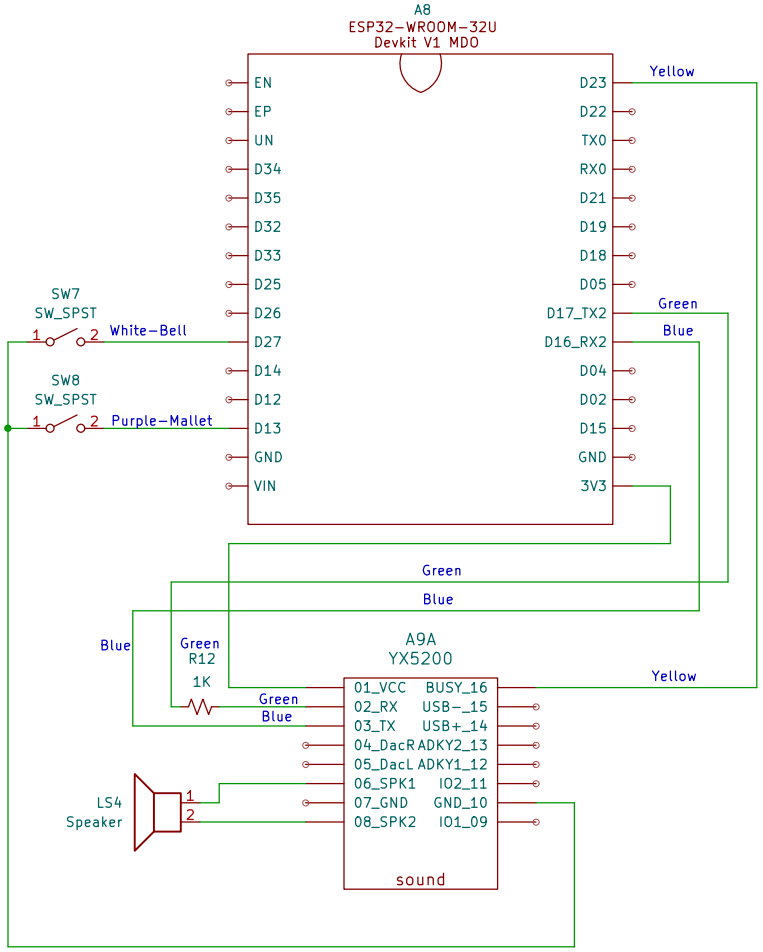
Title: Ring the Bell Prototypes

Size: USLetter	Date: 2025-06-20	**Rev: Rev 0.9**
KiCad E.D.A. 9.0.2		Id: 2/4

YX5200 Spec says it runs at 3.2V~5V, typical 4.2V
Does not work reliably at 3.3V Power
with UART at 3.3V



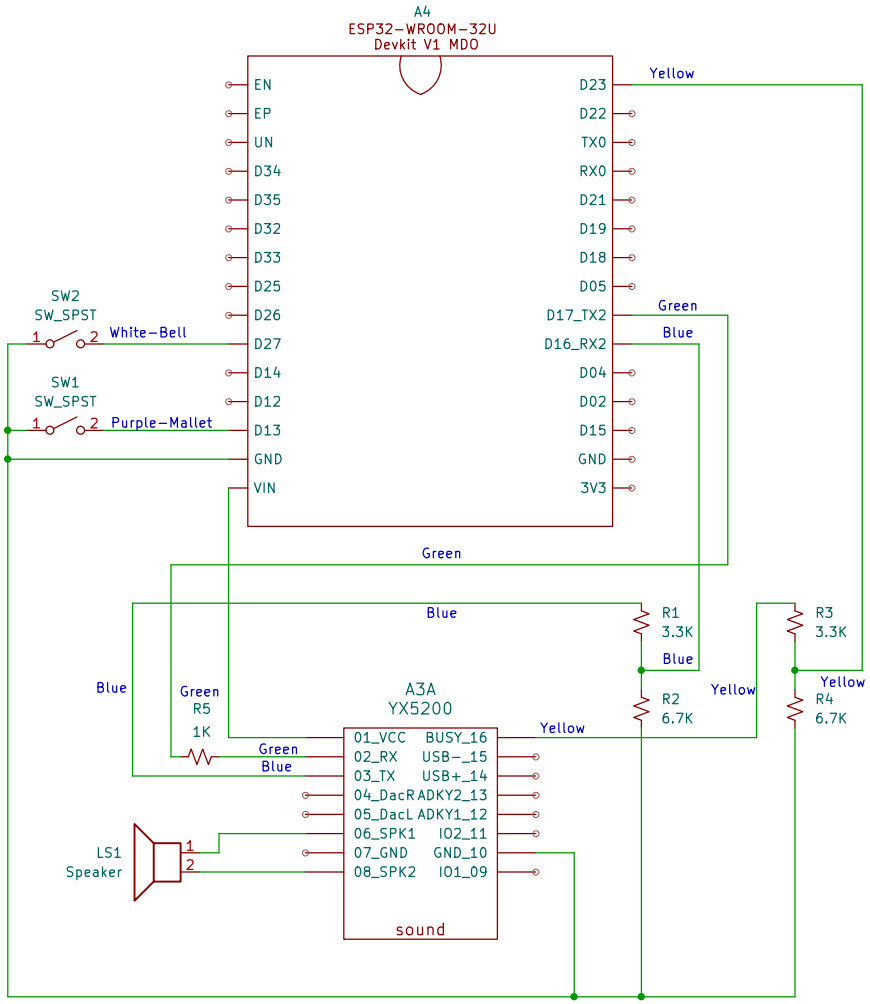
https://github.com/Mark-MD047/RingTheBell

Sheet: /3.3V Power/
File: 3.3V.kicad_sch

Title: Ring the Bell Prototypes

Size: USLetter	Date: 2025-06-20	**Rev: Rev 0.9**
KiCad E.D.A. 9.0.2		Id: 3/4

YX5200 Spec says it runs at 3.2V~5V, typical 4.2V
Does not work reliably at 5V Power
with UART at 3.3V



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File: 3.3V_UART.kicad_sch

Title: Ring the Bell Prototypes

Size: USLetter	Date: 2025-06-20	**Rev: Rev 0.9**
KiCad E.D.A. 9.0.2		Id: 4/4