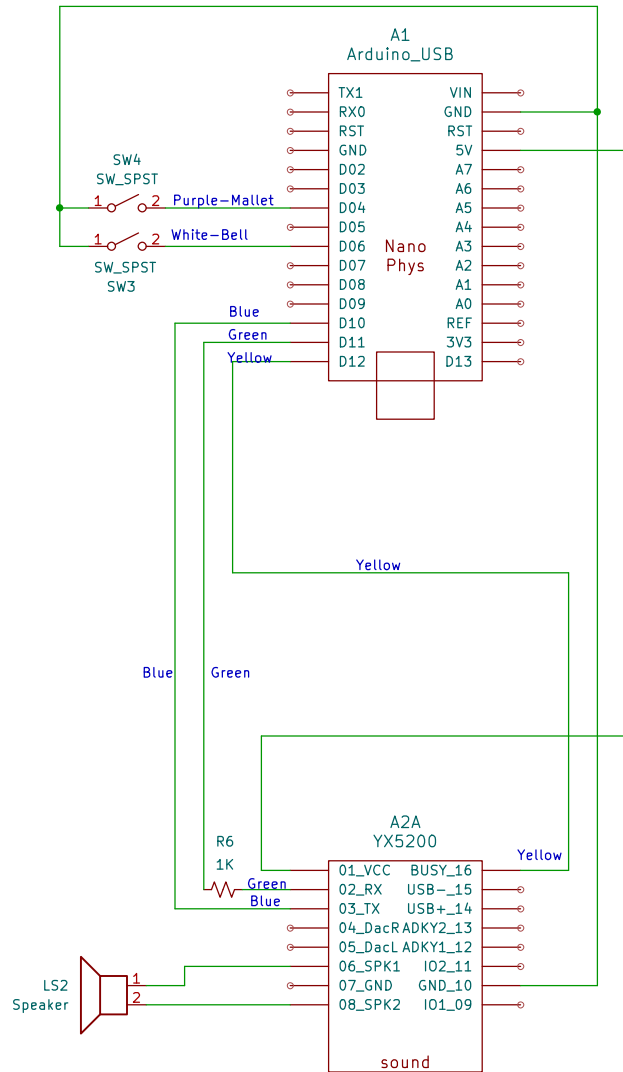


# Arduino Nano/Uno and YX5200 5V Works Reliably

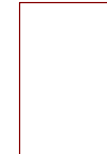


74HCT125N



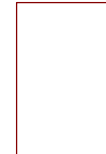
File: 74HCT125N.kicad\_sch

3.3V Power



File: 3.3V.kicad\_sch

3.3V UART



File: 3.3V\_UART.kicad\_sch

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

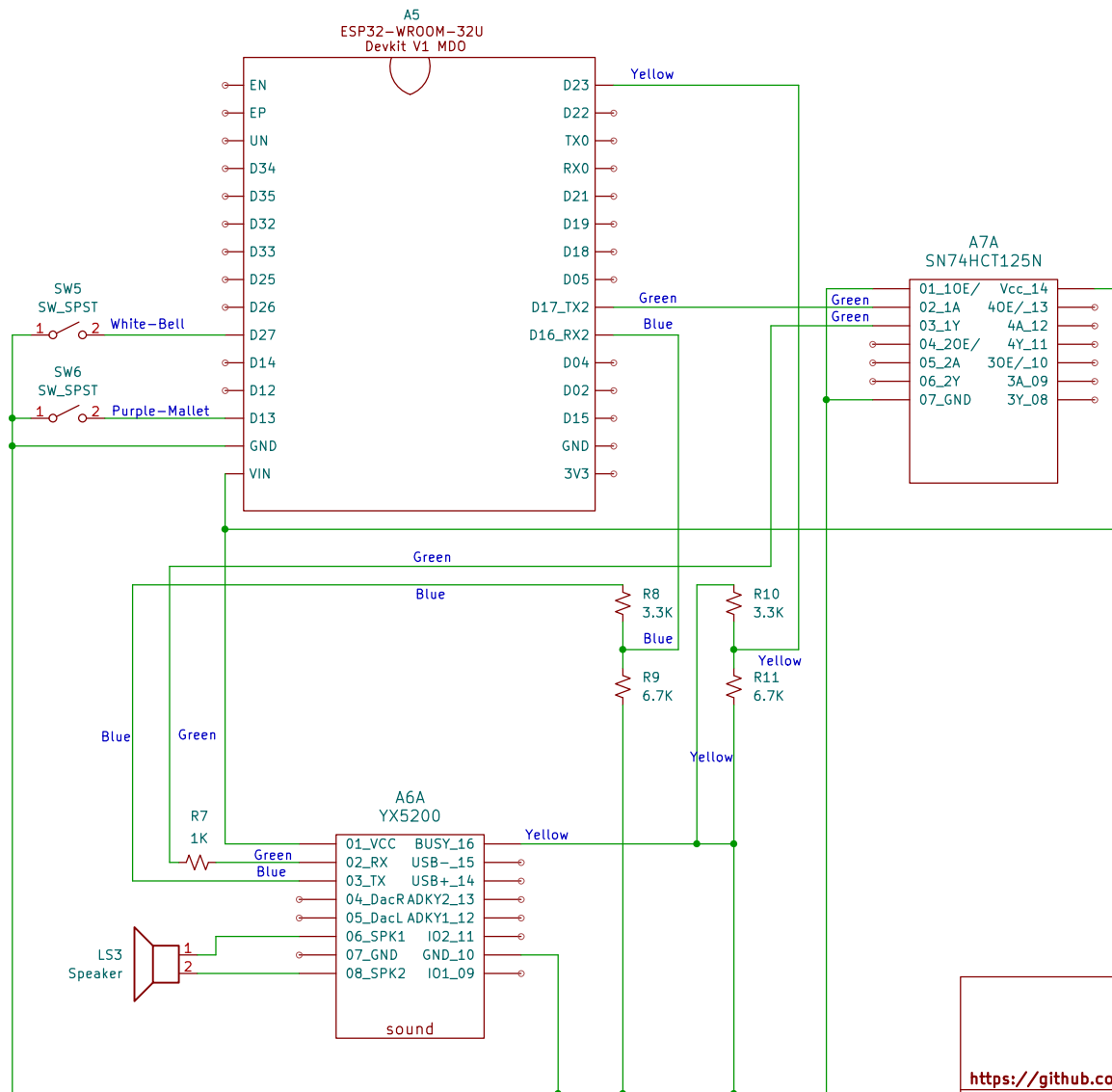
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**Title: Ring the Bell Prototypes**

Size: USLetter Date: 2025-06-19  
KiCad E.D.A. 9.0.2

Rev:  
Id: 1/4

# YX5200 5V Power and 5V UART Works Reliably



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

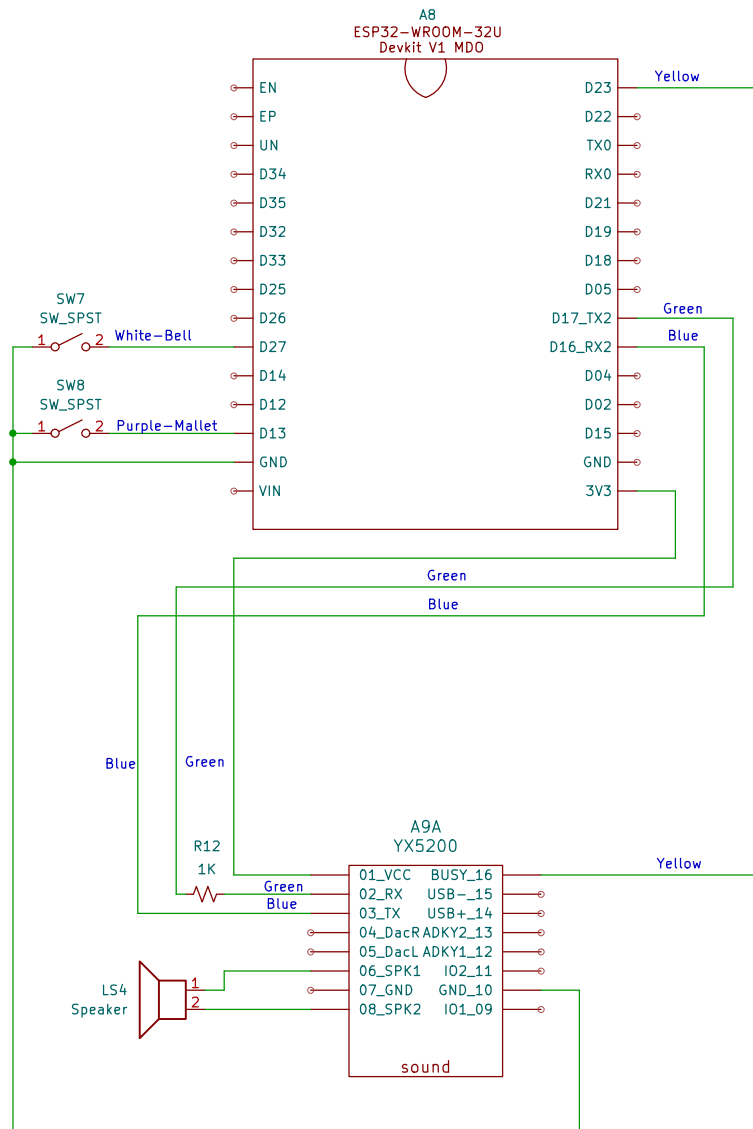
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File: 74HCT125N.kicad\_sch

**Title: Ring the Bell Prototypes**

Size: USLetter Date: 2025-06-19  
KiCad E.D.A. 9.0.2

Rev:  
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-MDO47/RingTheBell>

Sheet: /3.3V Power/  
File: 3.3V.kicad\_sch

**Title: Ring the Bell Prototypes**

Size: USLetter Date: 2025-06-19

KiCad E.D.A. 9.0.2

Rev:

Id: 3/4

2



Id: 4/4