

| Kev | Date | Author | Change Description |
|-----|--|-----------|--------------------------------------|
| X1 | 05/31/25 | Connor M. | Initial release |
| X2 | 06/22/25 | Connor M. | Integrated ATMEGA328. Fixed repeater |
| | | | and power reset circuit. |
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Hardware &
Firmware: Connor McMillan (connor@mcmillan.website)

McMillan Enterprises

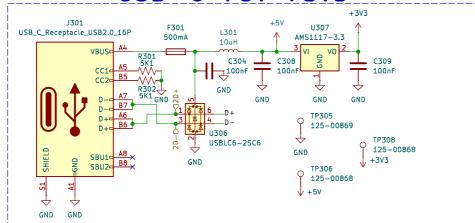
Sheet: / Sheet: / File: keypad.kicad_sch

 Title: MEP MAXI 85V-1 REV 2 Keypad

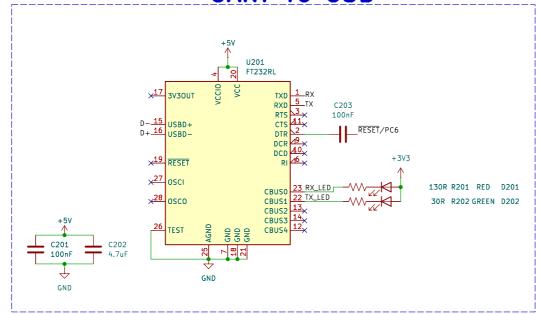
 Size: A3
 Date: 2025-06-22

 KiCad E.D.A. 9.0.2
 Date: 2025-06-22

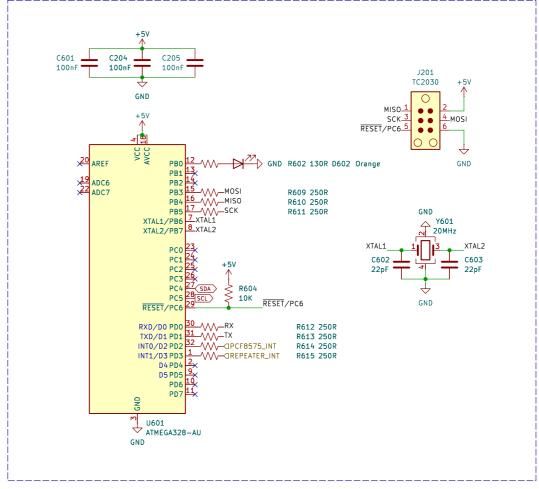
USB-C + 5V + 3V3



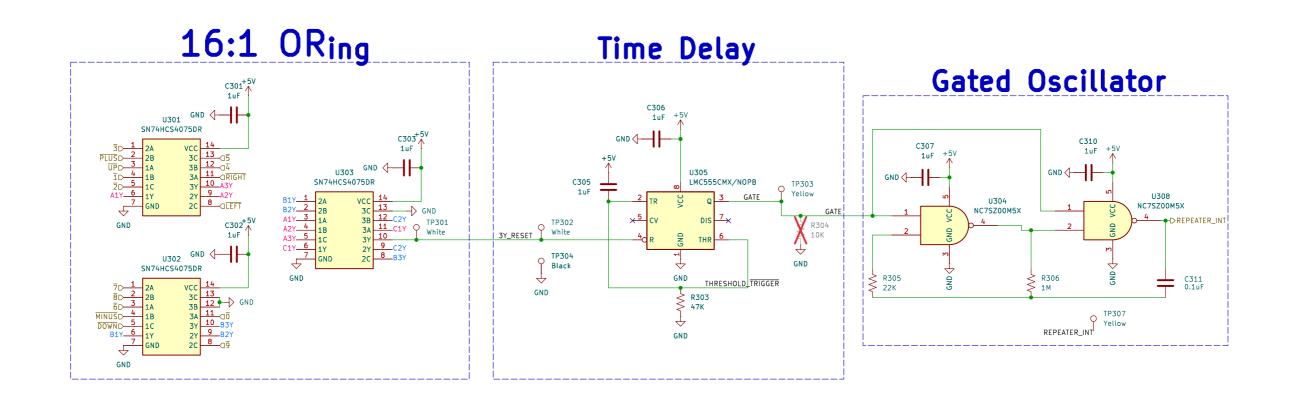
UART TO USB



ATMEGA328







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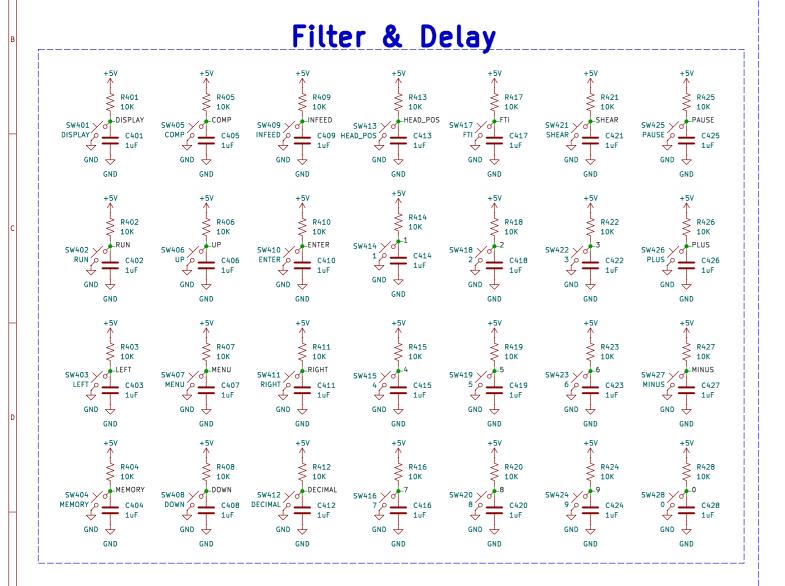
McMillan Enterprises

Sheet: /Repeater/
File: repeater.kicad_sch

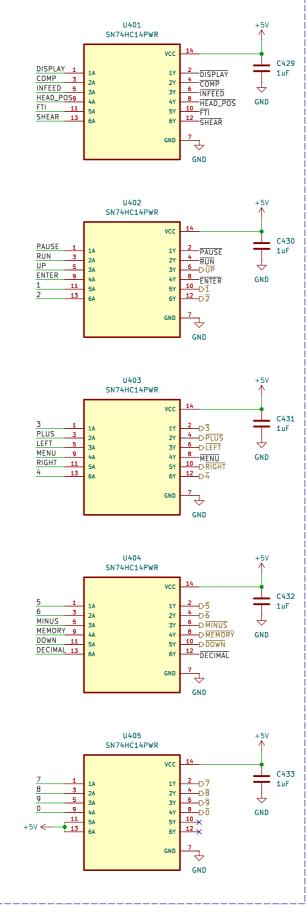
Title: MEP MAXI 85V-1 REV 2 Keypad

Size: A3 Date: 2025-06-22 Rev: X2

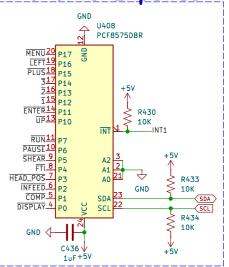
KiCad E.D.A. 9.0.2 Id: 3/5



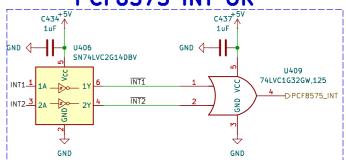
Schmitt Trigger Inverters



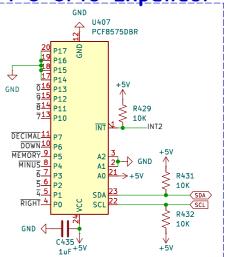
I2C GPIO Expander



PCF8575 INT OR



12C GPIO Expander



Hardware &
Firmware: Connor McMillan (connor@mcmillan.website)

McMillan Enterprises
Sheet: /Debounce Switches/
File: debounce.kicad_sch

Titlo: MED MAY 1 85V 1 PFV 2 Koypad

 Title:
 MEP MAXI 85V-1 REV 2 Keypad

 Size:
 A3

 Date:
 2025-06-22

