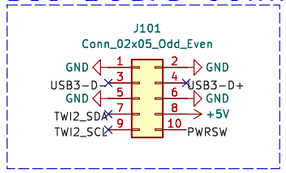
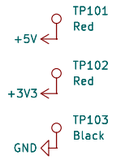
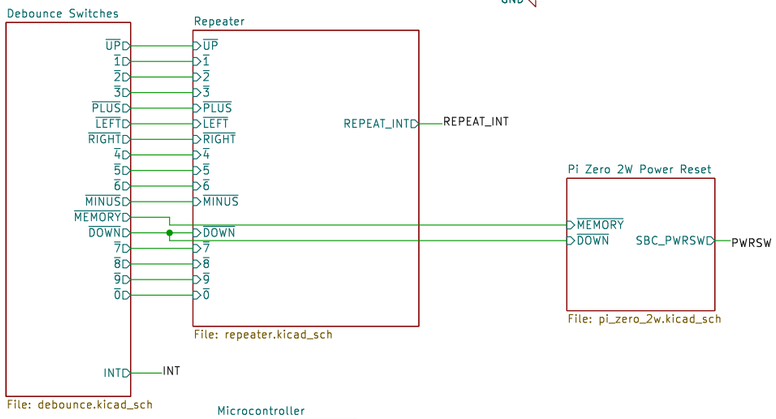
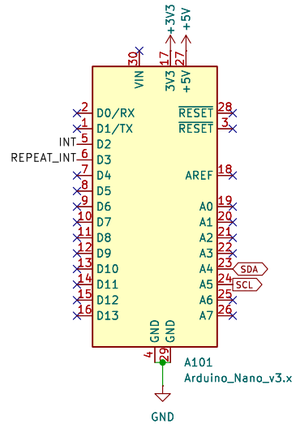
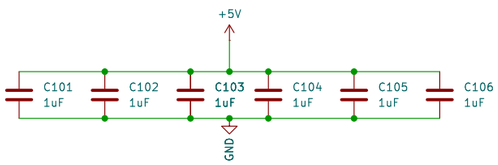
Interface Board Connector











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

Sheet: /
File: keypad.kicad_sch

Title: MEP MAXI 85V-1 REV 2 Keypad

Size: A3	Date: 2025-02-01	**Rev: X1**
KiCad E.D.A. 9.0.2		Id: 1/5

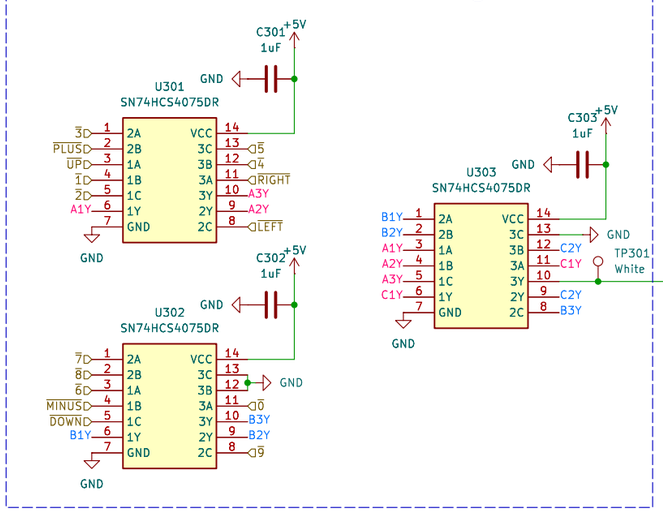
Hardware &
Firmware: Connor McMillan (connor@mcmillan.website)
McMillan Enterprises

Sheet: /Microcontroller/
File: microcontroller.kicad_sch

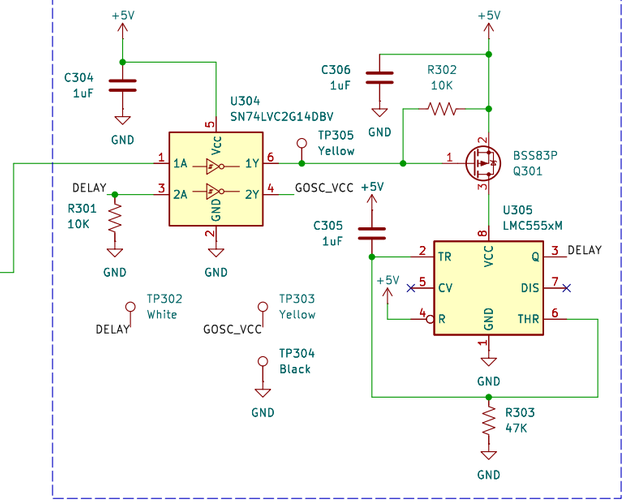
Title: MEP MAXI 85V-1 REV 2 Keypad

Size: A3	Date: 2025-02-01	**Rev: X1**
KiCad E.D.A. 9.0.2		Id: 2/5

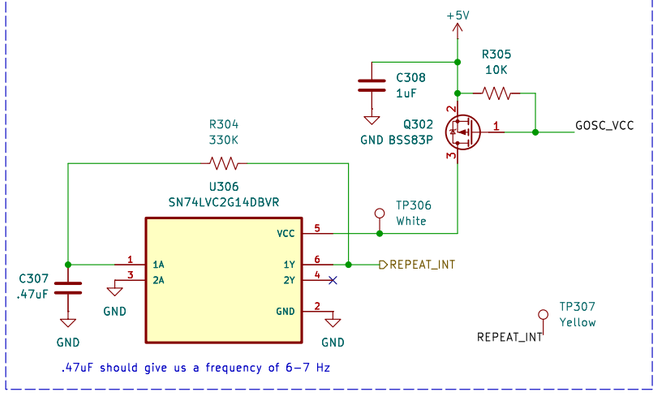
16:1 ORing



Time Delay



Gated Oscillator



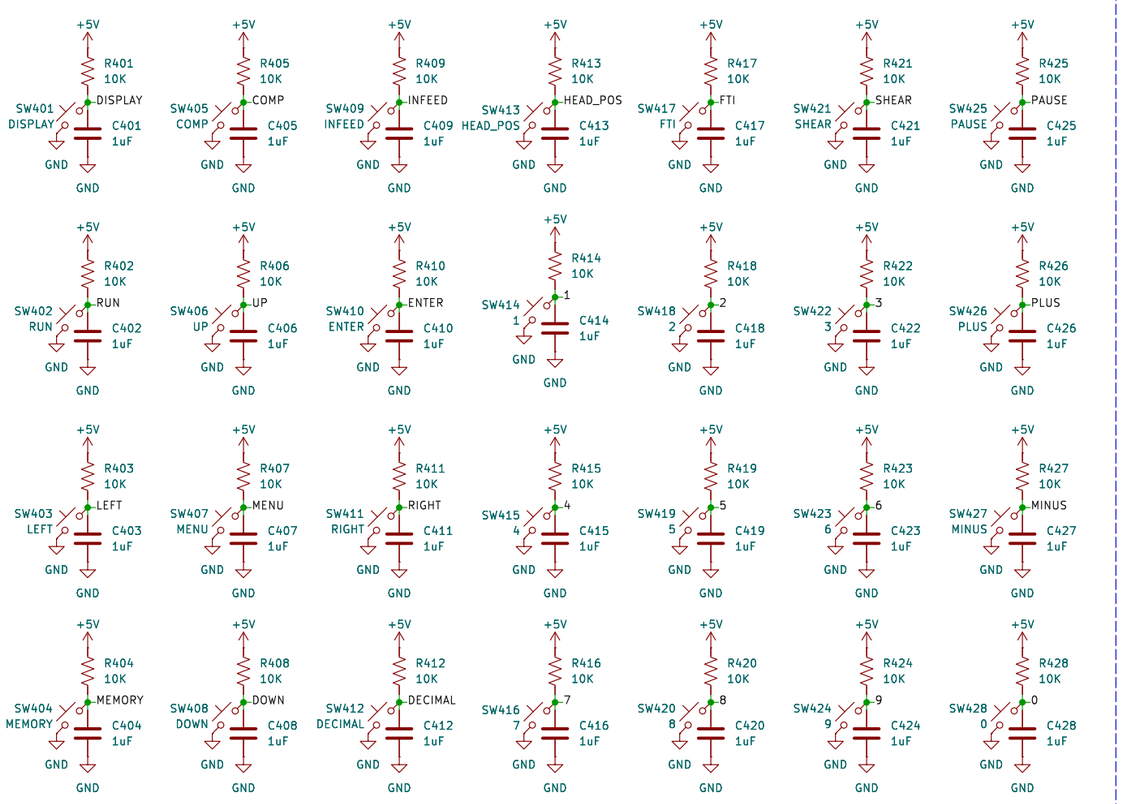
Hardware &
Firmware: Connor McMillan (connor@mcmillan.website)
McMillan Enterprises

Sheet: /Repeater/
File: repeater.kicad_sch

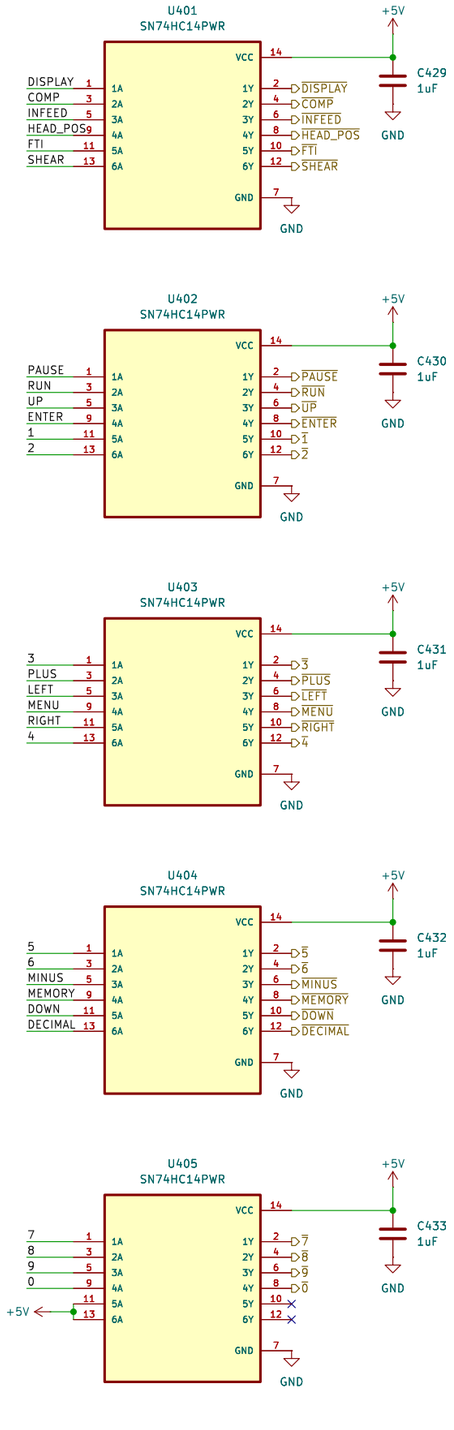
Title: MEP MAXI 85V-1 REV 2 Keypad

Size: A3	Date: 2025-02-01	**Rev: X1**
KiCad E.D.A. 9.0.2		Id: 3/5

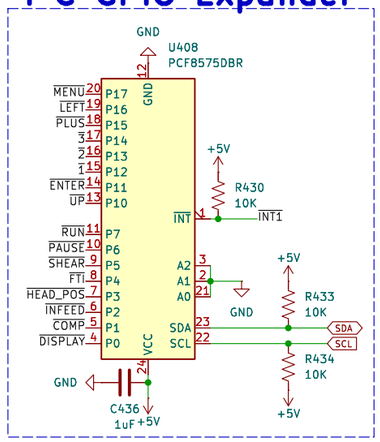
Filter & Delay



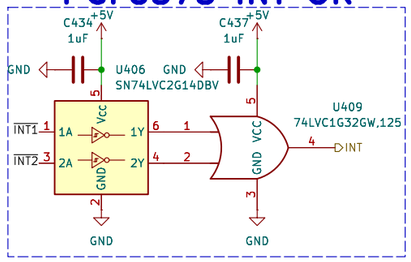
Schmitt Trigger Inverters



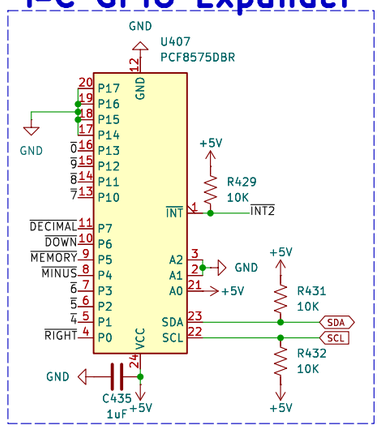
I2C GPIO Expander



PCF8575 INT OR



I2C GPIO Expander



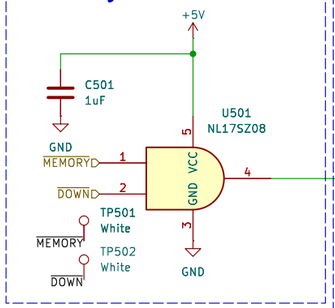
Hardware &
Firmware: Connor McMillan (connor@mcmillan.website)
McMillan Enterprises

Sheet: /Debounce Switches/
File: debounce.kicad_sch

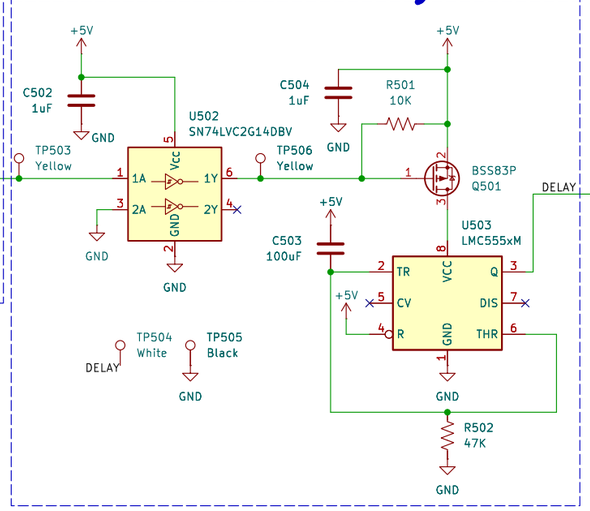
Title: MEP MAXI 85V-1 REV 2 Keypad

Size: A3	Date: 2025-02-01	**Rev: X1**
KiCad E.D.A. 9.0.2		Id: 4/5

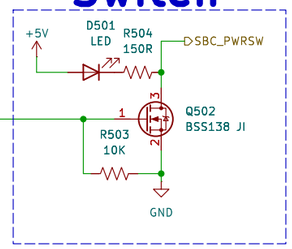
Memory + Down AND



Time Delay



Switch



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

Sheet: /Pi Zero 2W Power Reset/
File: pi_zero_2w.kicad_sch

Title: MEP MAXI 85V-1 REV 2 Keypad

Size: A3	Date: 2025-02-01	**Rev: X1**
KiCad E.D.A. 9.0.2		Id: 5/5