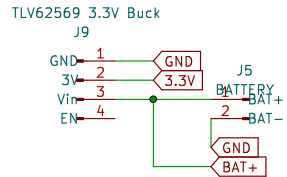
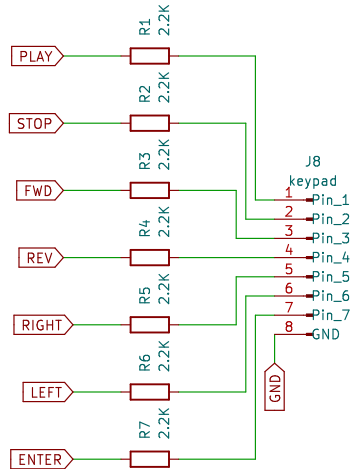


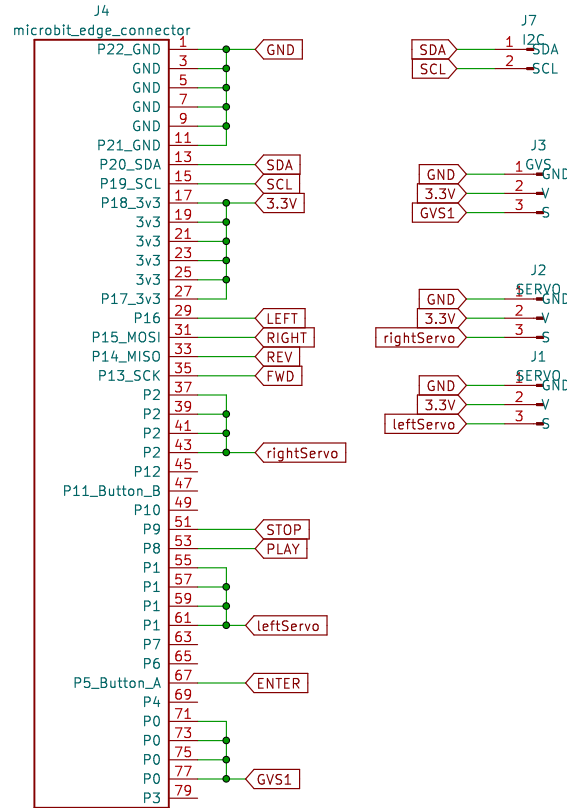
Power:
TLV62569 3.3V Buck Converter Breakout – 3.3V Output 1.2A (4711)
3.6/4.2V LiPo Battery/protection circuit separate



Keypad Breakout
2.2K Pull-up Resistors
Pins 1–8 attach to separate PCB for Keypad

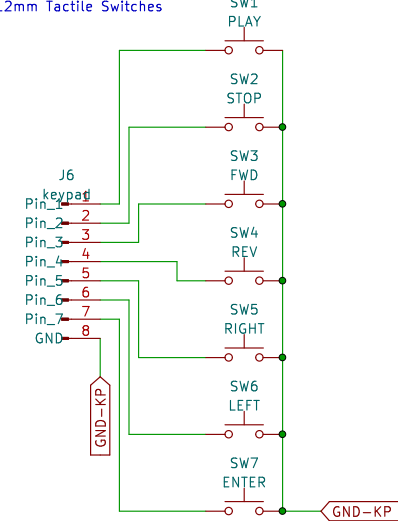


micro:bit Edge Connector Pinout
2x Servo Breakouts
I2C Breakout
GVS Breakout



NOTES:
3.6/4.2V Lithium Ion Polymer Battery – 400mAh
Adafruit Micro-Lipo Charger for LiPoly Batt with USB C (4410)
1x PCB for micro:Bit Edge Connector, Power, Keypad Breakout
1x PCB for 7-Button Keypad

7-Button Keypad
12mm Tactile Switches



E. Bredder
University of Virginia, Universidad del Norte

Sheet:
File: mbRobotv2.kicad_sch

Title: micro:bit Directional Robot Platform

Size: A Date: 2023-07-06

KiCad E.D.A. kicad 7.0.1

Rev: 2.1

Id: 1/1