**Diagram

Description automatically generatedCircuit Diagrams for Individual Components:**

**Port Assignments (Easier to read format):**

**PORTB (6)**

Pin 0: Matrix Keypad R4

Pin 1: Matrix Keypad R3

Pin 2: Matrix Keypad R2

Pin 3: Matrix Keypad R1

Pin 4: (empty)

Pin 5: (empty)

**PORTC (6)**

Pin 0: Temp Sensor

Pin 1: Button

Pin 2: Puzzle 3 LED 1

Pin 3: Puzzle 3 LED 2

Pin 4: Puzzle 3 LED 3

Pin 5: Puzzle 3 LED 4

**PORTD (8)**

Pin 0: Puzzle Status LED1

Pin 1: Puzzle Status LED2

Pin 2: Puzzle Status LED3

Pin 3: Servo

Pin 4:

Pin 5: Matrix Keypad C3

Pin 6: Matrix Keypad C2

Pin 7: Matrix Keypad C1