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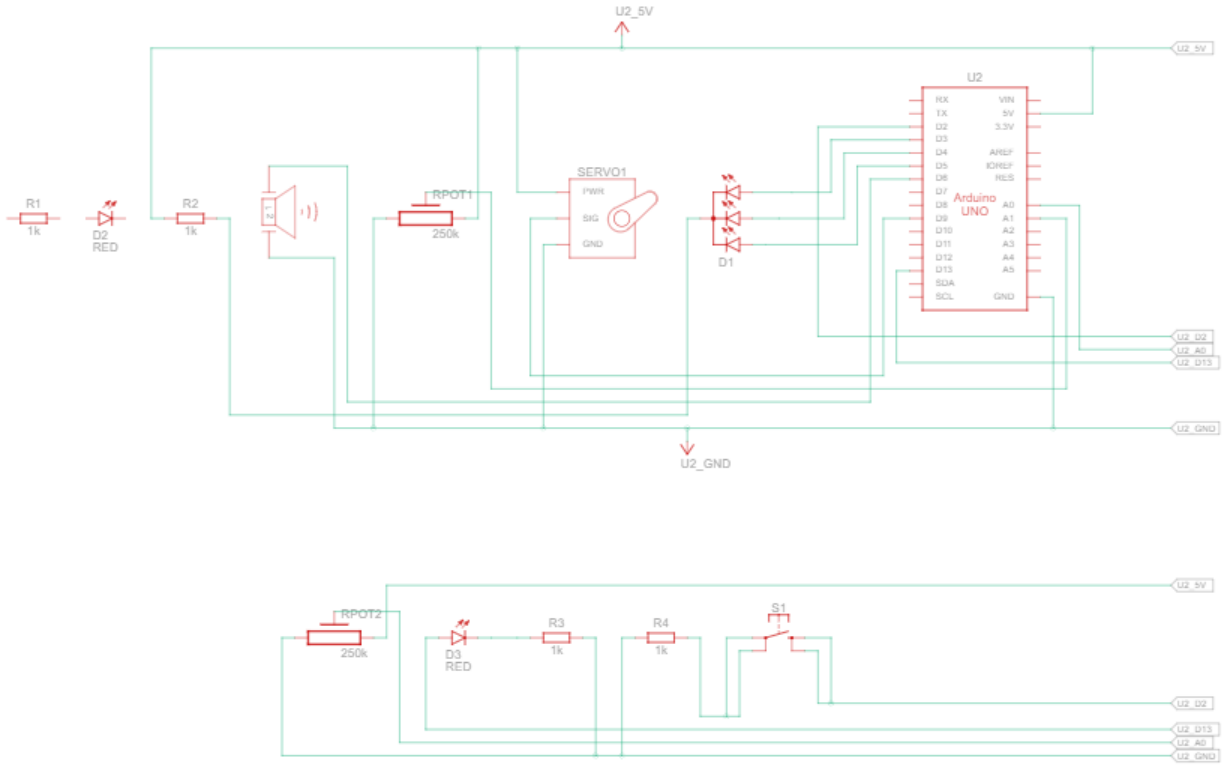
➢schematic diagram:



➢ New Test Case:

```
// 12DISCH
action_state     = IDLE;
button_state     = true;
max_limit_state = true;
min_limit_state = false;
threshold_state = true;
Serial.println("====  (12)DISCH  =====");
//
```