

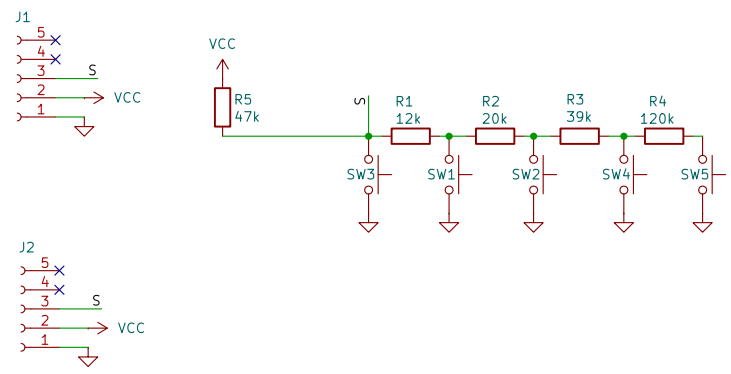
```
#define BUTTONS 5
#define RESOLUTION 1023

int readAnalogButton() {
    float avg = RESOLUTION / float(BUTTONS);
    int val = analogRead(ANALOG_PIN);

    if (val > (BUTTONS - 0.5) * avg) {
        return 0;
    }

    for (int i = 0; i < BUTTONS; i++) {
        if (val < round((i + 0.5) * avg)) {
            return i + 1;
        }
    }

    return 0;
}
```



Axiometa		
Sheet: /		
File: DPad.kicad_sch		
Title: D-Pad, 5 Button Module - AXM0016		
Size: A4	Date: 2024-11-12	Rev: 1
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