# YaBoot PCB controls

ledp – Green

ledm – Reed

Default states for I2S DAC:

FLT – 0

DEMP – 0

XSMT – 1

FMT – 0

ACS755:

|  |  |
| --- | --- |
| Idle:  5.0V – 0.585  5.5V – 0.638  6V – 0.7 | 5.91V:  0A – 0.695  0.968A – 0.761  0.285A – 0.716  0.773A – 0.749 |
| 5.03V:  0A – 0.588  0.958A – 0.643  0.278A – 0.605  0.767A-0.633 | 6.05V:  0A – 0.707  0.954A – 0.774  0.276A – 0.726  0.765A – 0.761 |

Расчёт тока:

Vsup – Напряжение питания ACS (в вольтах)

Vout – Выход с ACS

Iin – Ток

Scale = **Vsup** \* 0.0125 - 0.0056

Shift = **Vsup** \* 0.1181 - 0.049

**Iin** = **Vout**/Scale - Shift

UP

CW

2 & 3

+ (5)

- (4)

-

+

CCW

Down

+

+

0

1

3

2