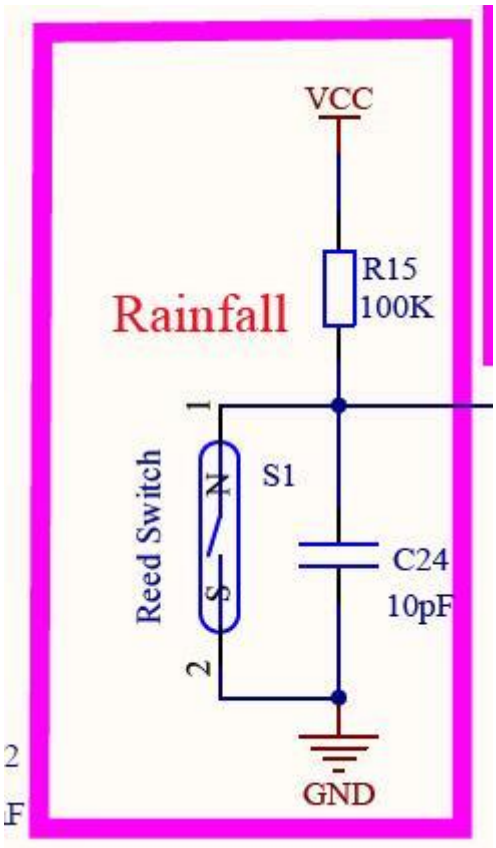

Rain Fall sensor

According to the times of the reed switch is turned on to calculate rainfall.

The magnet inside the Balanced triangular device can make the reed switch turn-on, resulting in pulse output. Since the coefficient (C1) of the Balanced triangular device and the frequency (F1) of the pulse are already known, then the rainfall (V1) is:

$$V1=F1*C1$$

if this time rain counter value is 8, and the last time rain counter value is 6:

At this time, the rainfall = (8-6)*0.3 = 0.6mm.