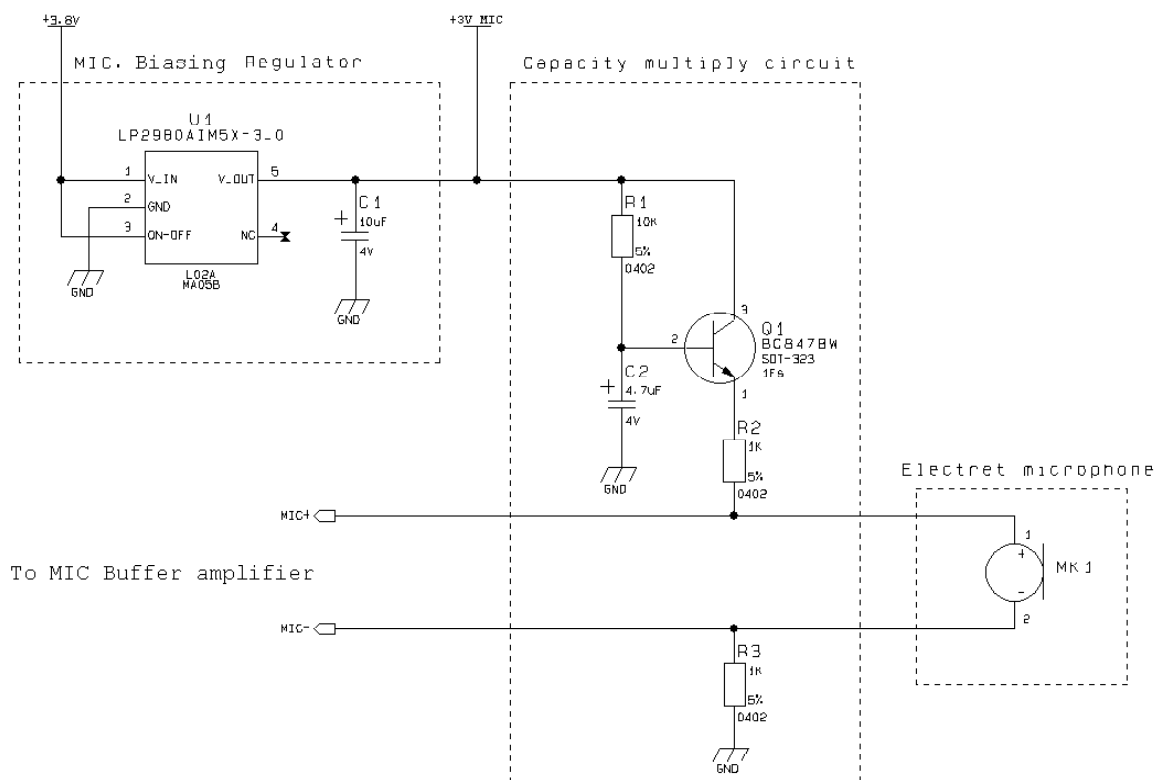


### 5.3.1 Balanced Microphone biasing

The balanced microphone bias voltage should be obtained from a dedicated voltage regulator, in order to eliminate the noise present on the power lines. This regulator can be the same for all the audio paths. The microphone should be supplied from a capacitor multiply circuit.

For example a circuit for the balanced microphone biasing can be:



**NOTE:** In the balanced application the resistors R2 and R3 must have the same value to keep the circuit balanced.



**NOTE:** The cable to the microphone should not be shielded, instead a twisted pair cable shall be used.

