R2R DAC™

All Mikroelektronika's development systems feature a large number of peripheral modules expanding microcontroller's range of application and making the process of program testing easier. In addition to these modules, it is also possible to use numerous additional modules linked to the development system through the I/O port connectors. Some of these additional modules can operate as stand-alone devices without being connected to the microcontroller.

Additional board

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R2R DAC

The R2R DAC additional board is used to convert a digital voltage signal into analog.

Key features:

- 8-bit resolution;
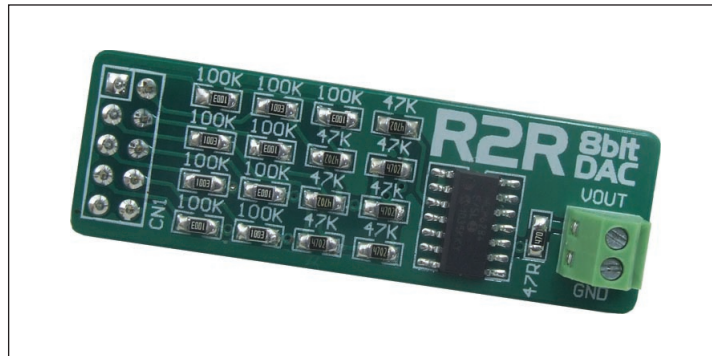- Low power consumption;
- 3.3 or 5V power supply voltage.

Figure 1: R2R DAC additional board

How to connect the board?

The R2R DAC additional board is connected to a development system via a 2x5 connector CN1 on the additional board and one of 2x5 connectors on the development system. Analog voltage signal is delivered via a screw terminal CN2.
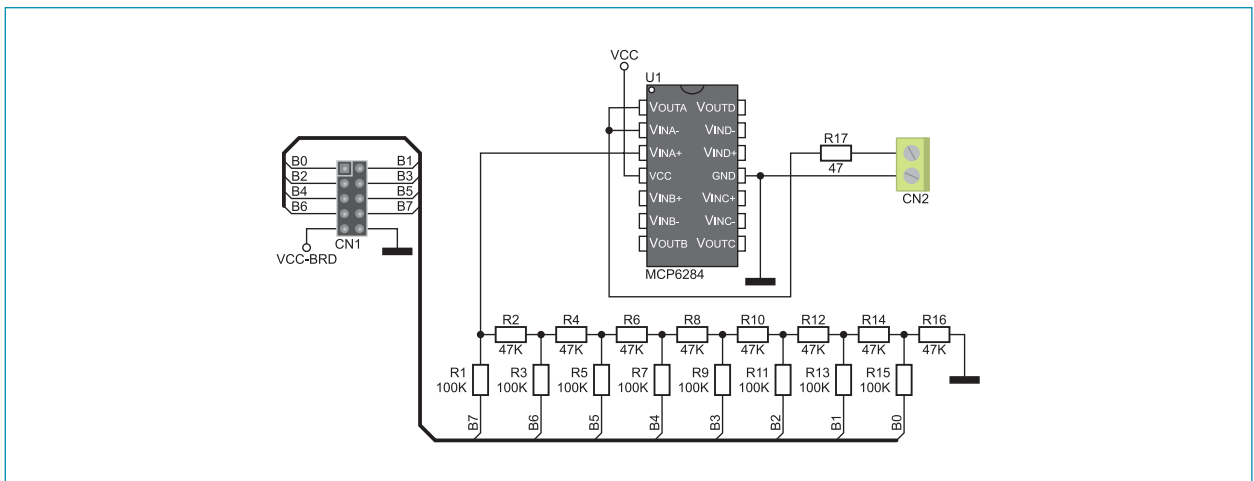

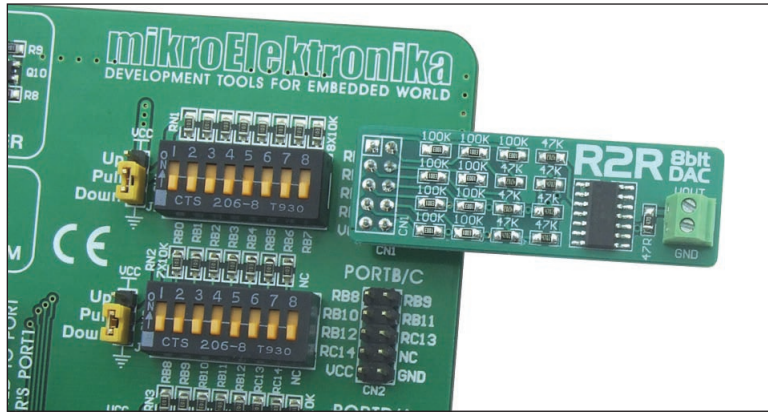**Figure 2**: R2R DAC additional board connection schematic

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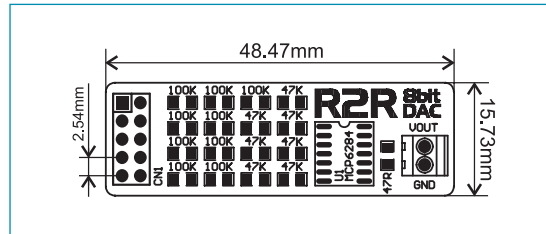**Figure 3:** R2R DAC connected to a development system

Figure 4: Dimensions of the R2R DAC board

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