

# Smart ADAPT2™

Manual

*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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## Smart ADAPT2

The Smart ADAPT2 additional board is used to redirect signal that is sent from a pin on the development system to a pin of another additional board or device.

### Key features:

- Two output and two input ports.

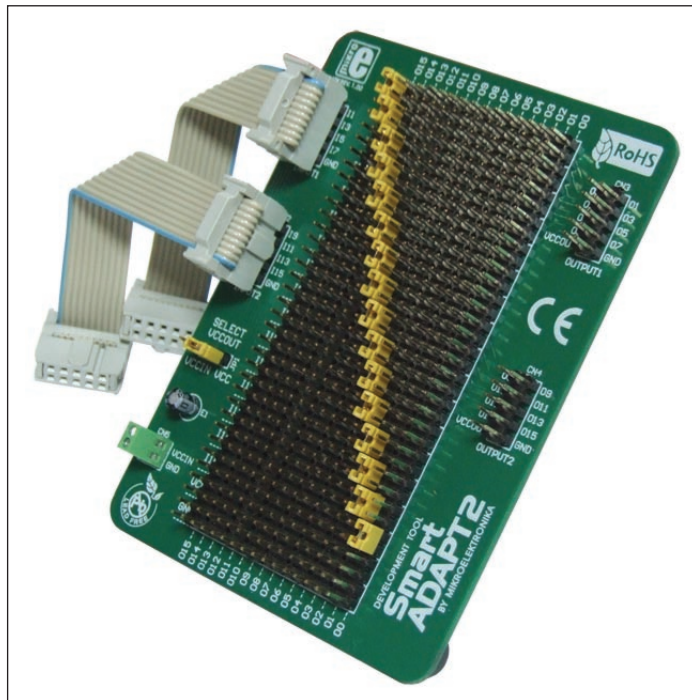


Figure 1: Smart ADAPT2 additional board

### How to connect the board?

The additional board can be easily connected to a development system via 2x5 connectors CN1 and CN2. These connectors are connected to the development system's ports via a flat cable with IDC10 connectors on its ends, Figure 3. Connection with another additional board or a device is established via 2x5 connectors CN3 and CN4. Jumper JP1 is used to select the voltage to be supplied to the VCCOUT pin. The additional board can be supplied with the power supply voltage from the development system or an external power supply source via the CN5 connector.

### How to use the board?

In order to send a signal from I2 to O4 pin, it is necessary to place jumper over the appropriate pin on the additional board, Figure 2. In this way, connection between I2 and O4 pins is established, which is indicated with red lines on the next Figure. The same applies to all pins. It is necessary to follow designations next to pins supplied on the additional board and place jumper over the appropriate ones. Several jumpers may be placed on the board at the same time.

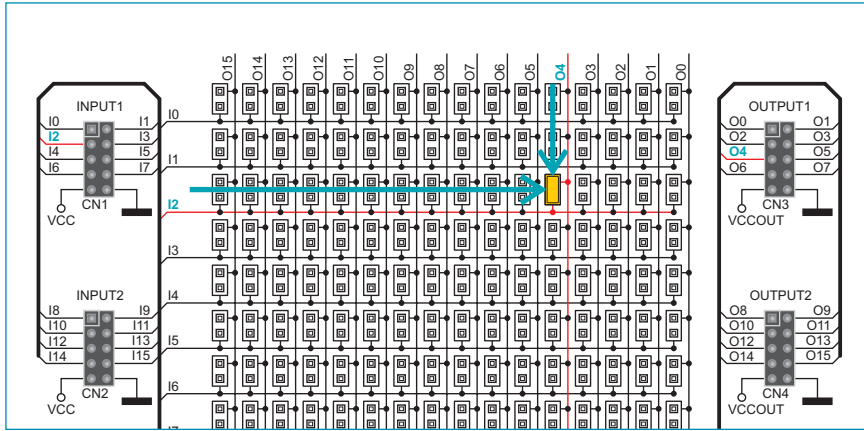


Figure 2: Redirection of signal

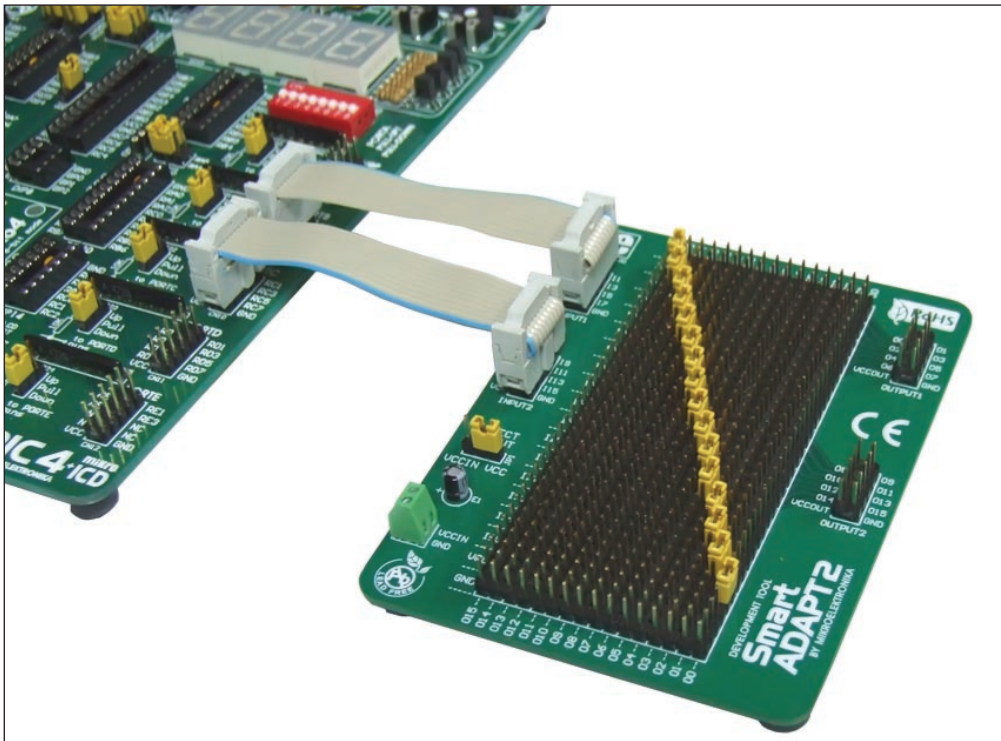


Figure 3: Smart ADAPT2 board connected to a development system

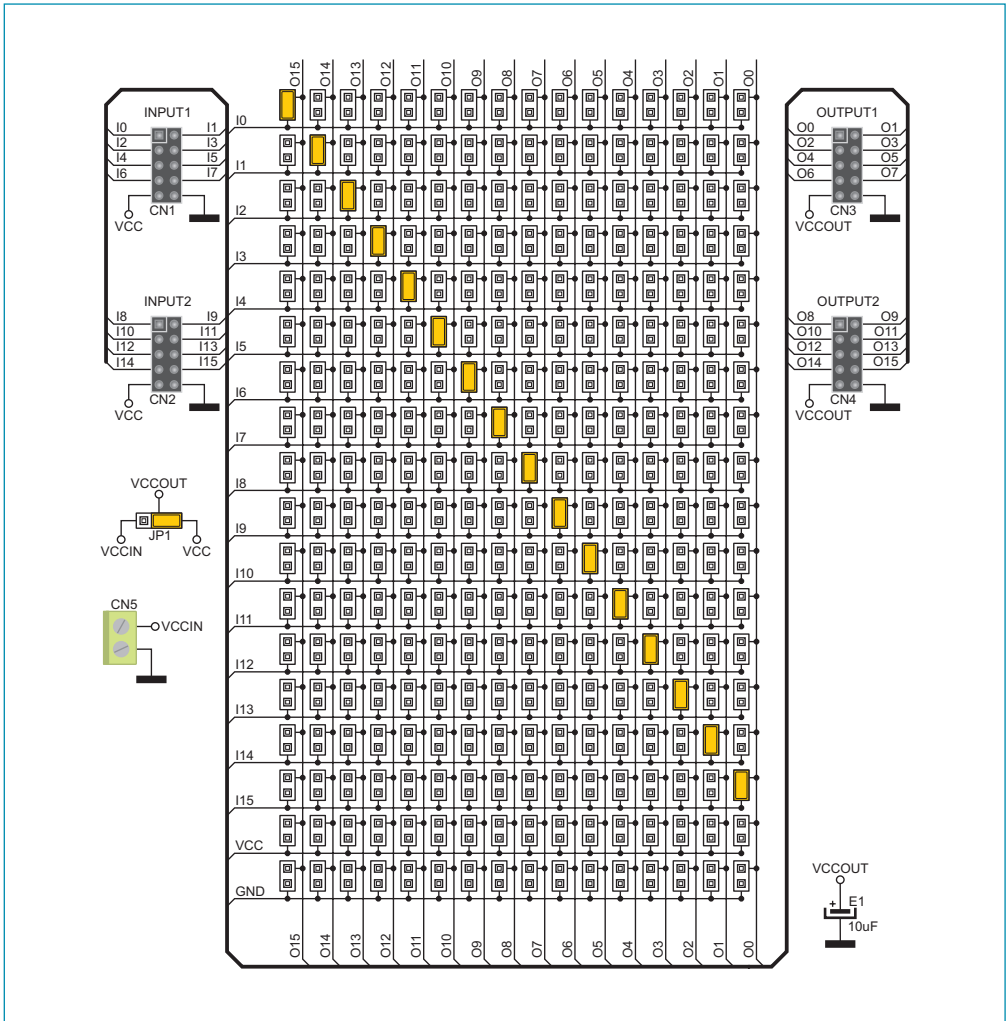


Figure 4: Smart ADAPT2 board connection schematic

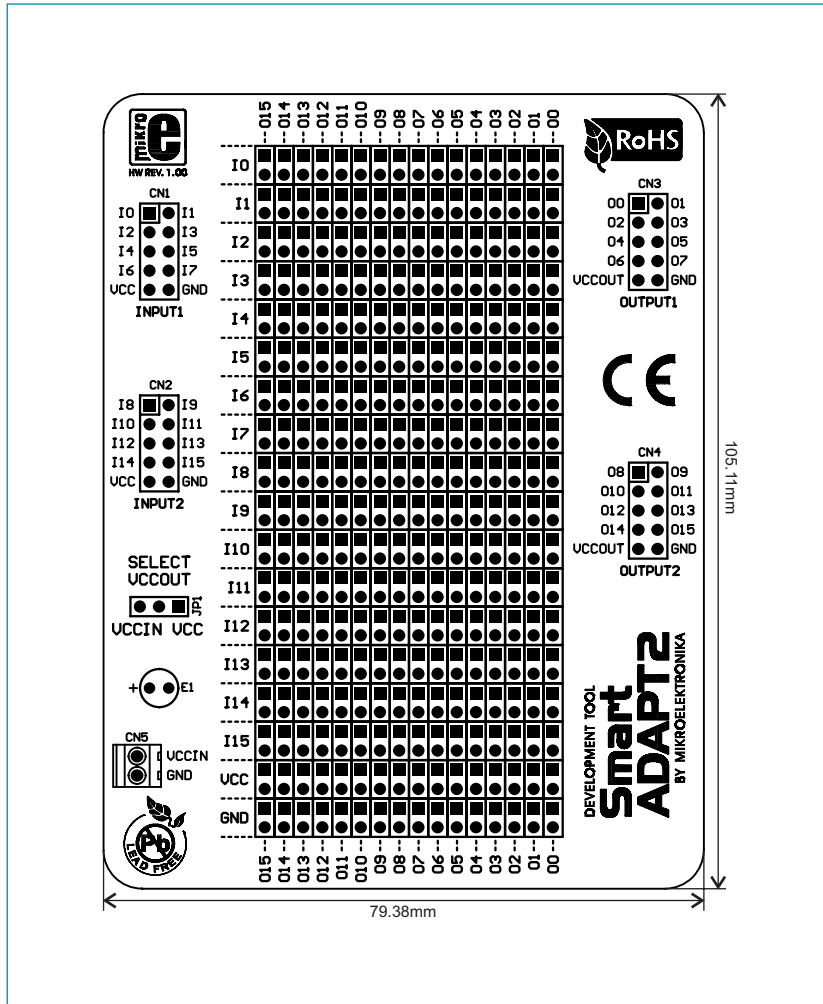


Figure 5: Dimensions of the Smart ADAPT2 board



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