Smart ADAPT™

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

MikroElektronika
SOFTWARE AND HARDWARE SOLUTIONS FOR EMBEDDED WORLD ...making it simple

Smart ADAPT

The Smart ADAPT 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.

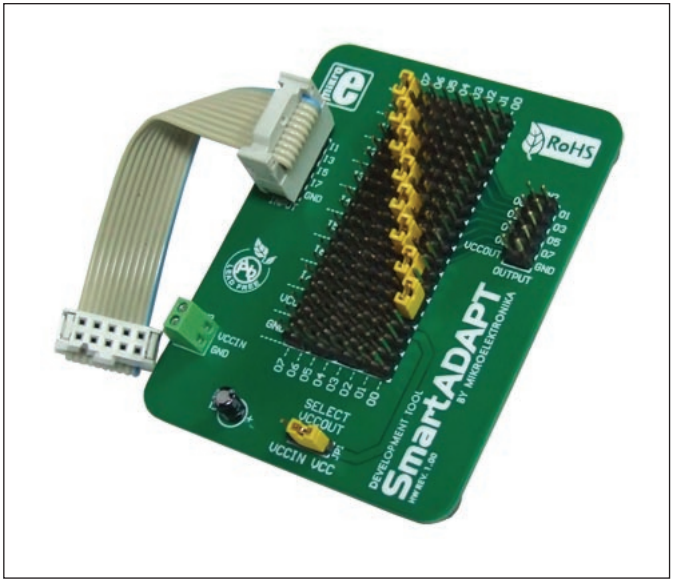

Figure 1: Smart ADAPT additional board

How to connect the board?

The additional board can be easily connected to a development system via a 2x5 connector CN1. This connector is connected to a development system's port via a flat cable with IDC10 connectors on its ends, Figure 3. Connection with another additional board or a device is established via a 2x5 connector CN2. 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 CN3 connector.

How to use the board?

In order to send a signal from I2 to O5 pin, it is necessary to place jumper over the appropriate pin on the additional board, Figure 2. In this way, connection between I2 and O5 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.

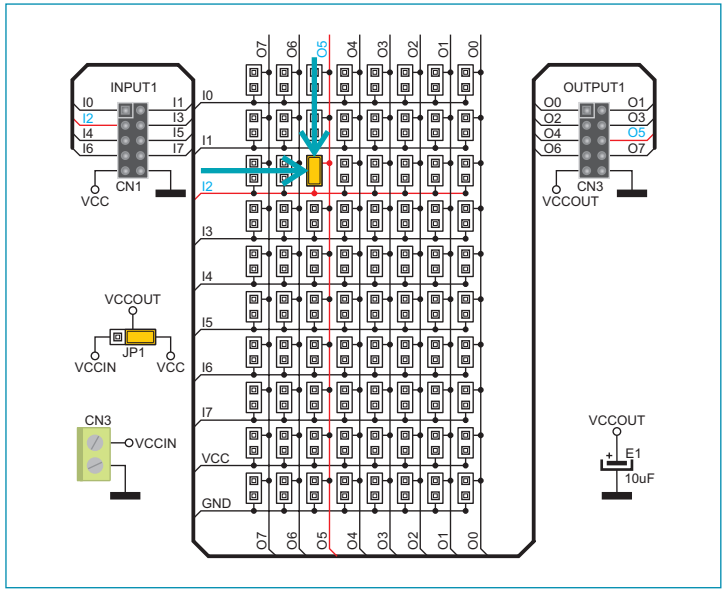

Figure 2: Redirection of signal

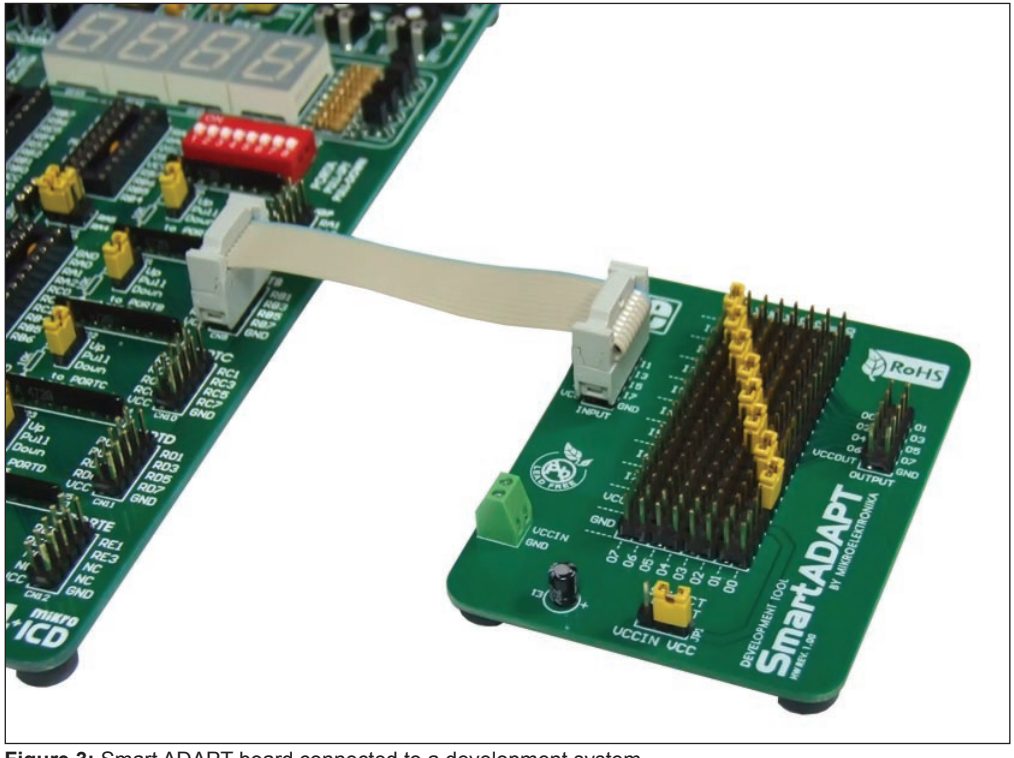

Figure 3: Smart ADAPT board connected to a development system

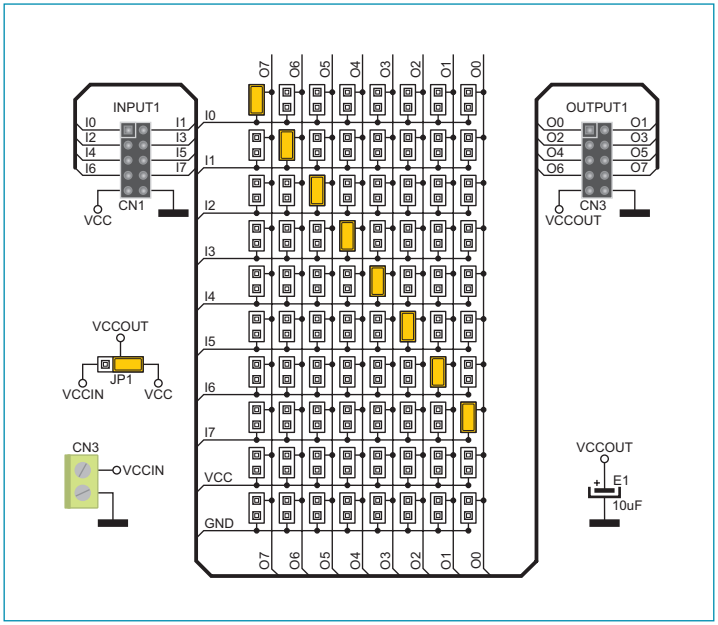

Figure 4: Smart ADAPT board connection schematic

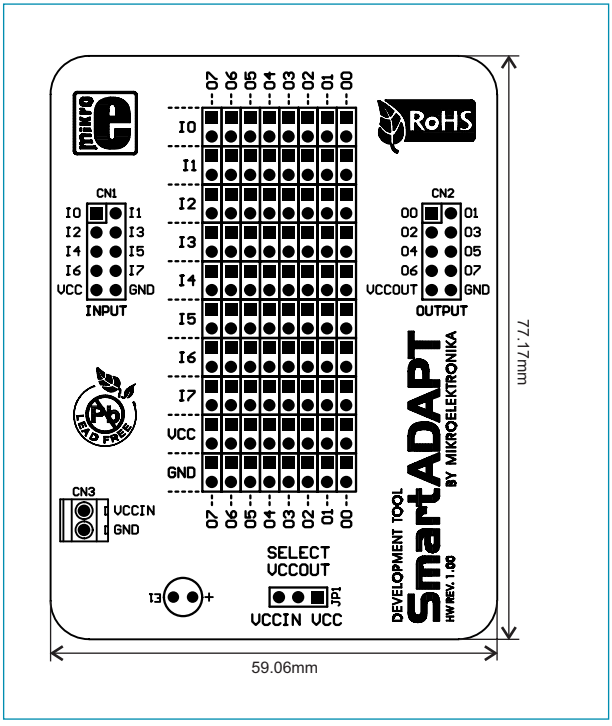

Figure 5: Dimensions of the Smart ADAPT board

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