MCU Cards

for LV32MX v6™ development system

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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MCU Cards for LV32MX v6 Development System

The *LV32MX v6* development system is supported by empty 64- and 100-pin MCU cards. Schematics provided herein show these MCU cards with soldered microcontrollers. Instead of microcontrollers used in these examples, you can choose and solder another ones. Prior to soldering, check which microcontrollers can be placed on the respective MCU card just to be sure that they are compatible. MCU cards are also provided with pads that enables you to access microcontroller pins when the MCU card is not connected to the development system.

Supported microcontrollers:

64-pin MCU cards support the following microcontrollers: PIC32MX3XXH, PIC32MX4XXH, PIC32MX575F256H, PIC32MX575F512H, PIC32MX675F512H, PIC32MX695F512H and PIC32MX795F512H

100-pin MCU cards support the following microcontrollers: PIC32MX3XXL, PIC32MX4XXL, PIC32MX575F256L, PIC32MX575F512L, PIC32MX675F512L, PIC32MX695F512L and PIC32MX795F512L.

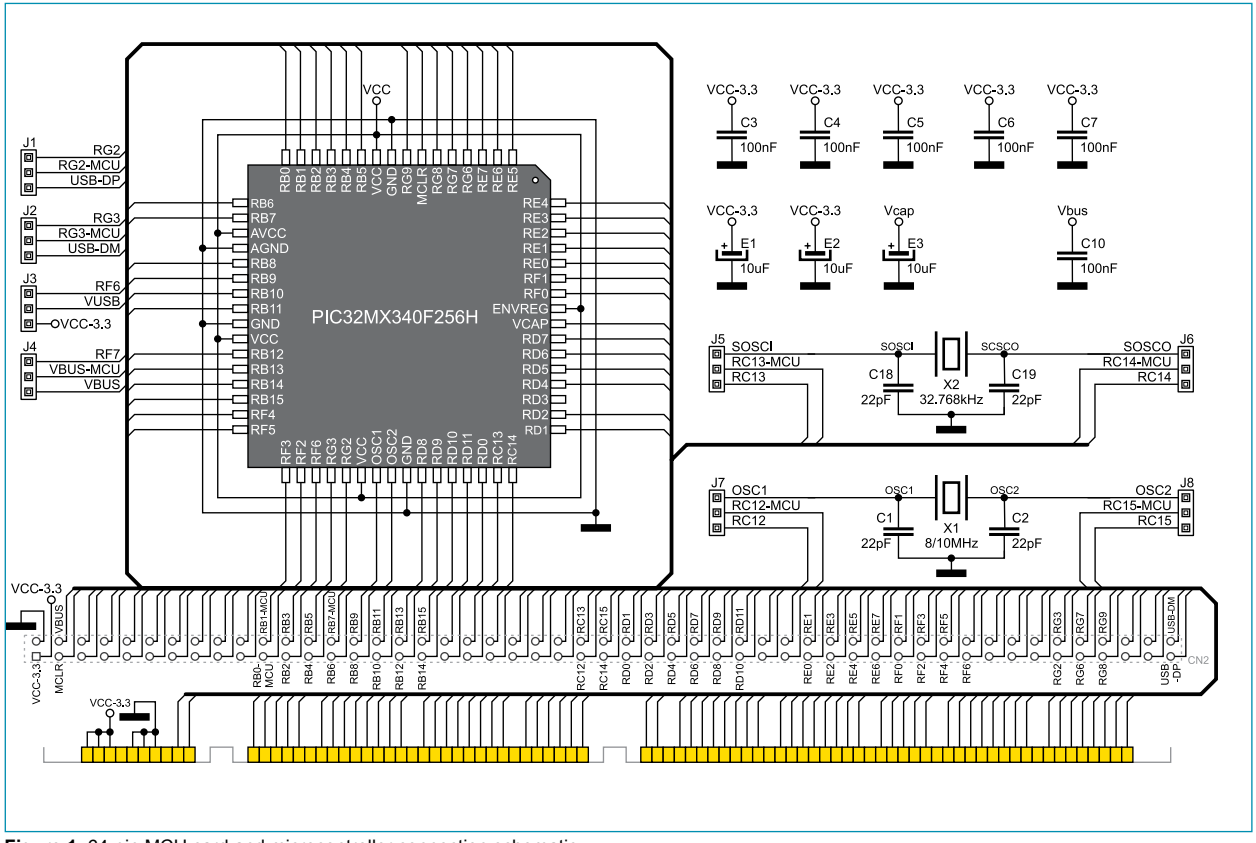

Figure 1: 64-pin MCU card and microcontroller connection schematic

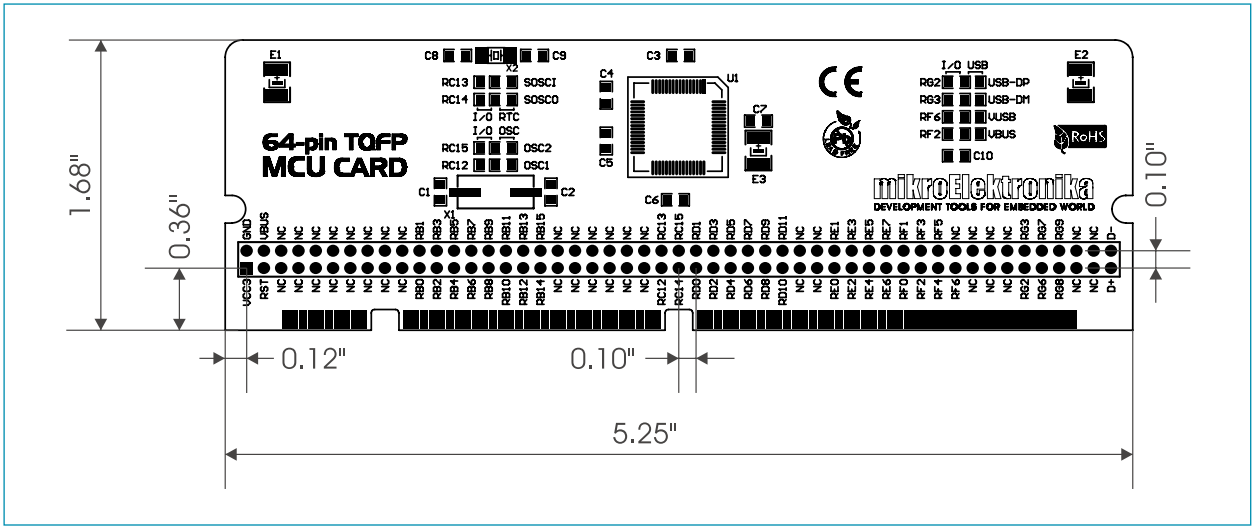

Figure 2: Dimensions of 64-pin MCU card

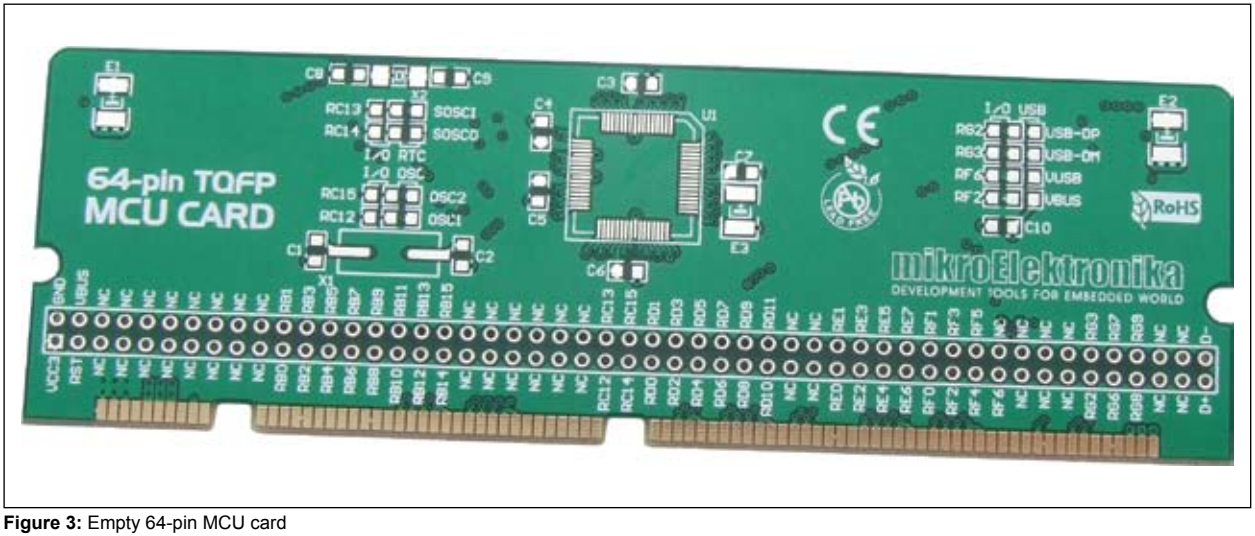

Figure 3: Empty 64-pin MCU card

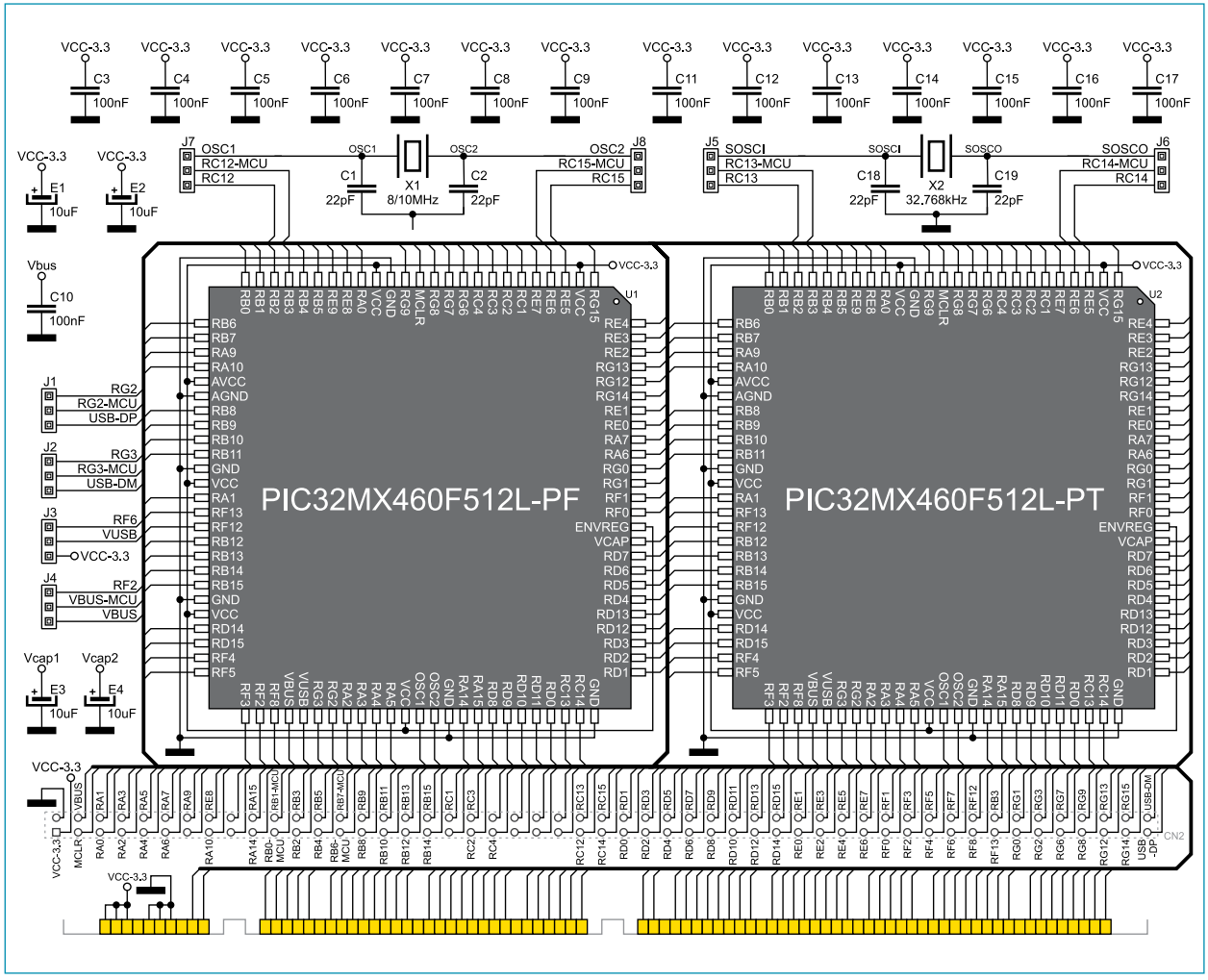

Figure 4: 100-pin MCU card and microcontroller connection schematic

The microcontrollers in PT or PF package can be placed on the 100-pin MCU card. The microcontrollers feature the same lables, but those related to their package dimension.

NOTE: Only one microcontroller may be soldered on the MCU card at the same time.

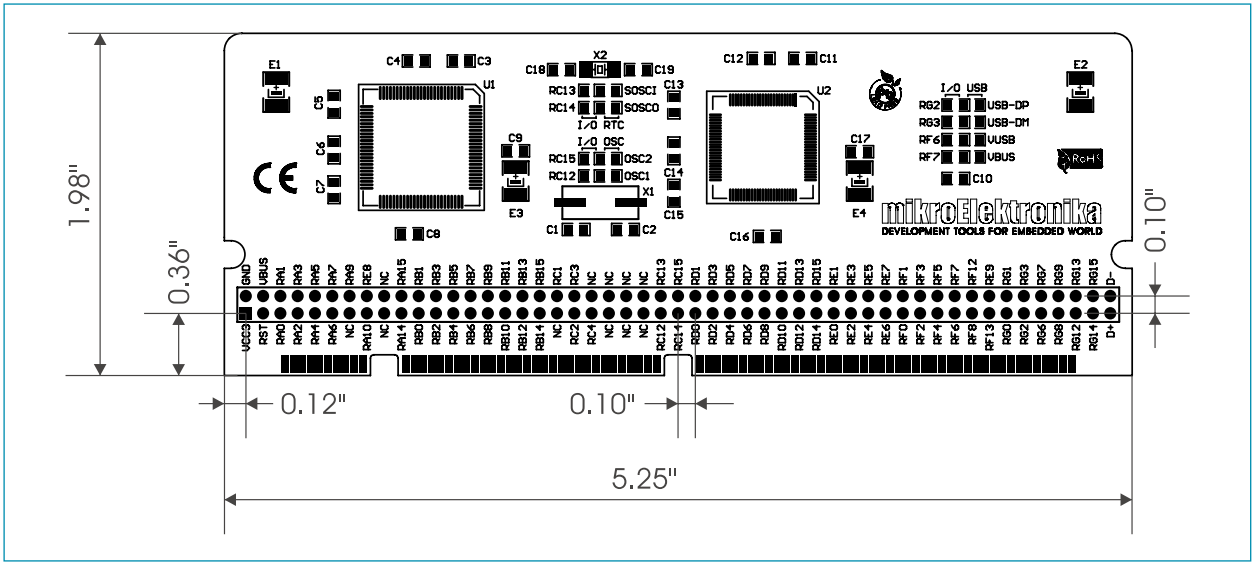

Figure 5: Dimensions of 100-pin MCU card

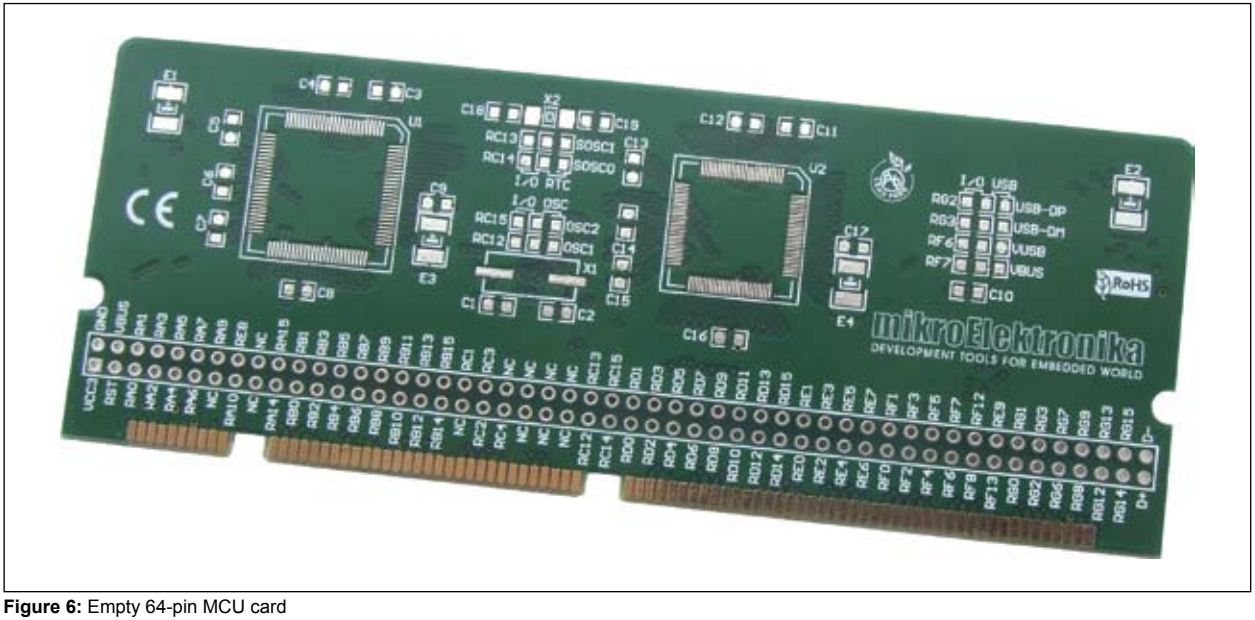

Figure 6: Empty 64-pin MCU card

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