

MCU Cards

for **LV24-33 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 LV24-33 v6 Development System

The LV24-33 v6 development system is supported by 44-, 64-, 80- and 100-pin MCU cards. 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.

Supported microcontrollers:

44-pin MCU cards support the following microcontrollers	
U1	U2
PIC24FJxxGB004, PIC24FJxxGA004, PIC24FJxxGA104, PIC24HJ32GP204, PIC24HJ16GP304, PIC24HJ32GP304, PIC24HJ64GP204, PIC24HJ64GP504, PIC24HJ128GP204, PIC24HJ128GP504, dsPIC33FJ32GP204, dsPIC33FJ16GP304, dsPIC33FJ32MC204, dsPIC33FJ16MC304, dsPIC33FJ128GP804, dsPIC33FJ128GP804, dsPIC33FJ64MC804 and dsPIC33FJ128MC804	dsPIC33FJ16GS404 and dsPIC33FJ16GS504

64-pin MCU cards support the following microcontrollers	
U1	U2
PIC24FJxxxGB106, PIC24FJxxGA006, PIC24FJxxxGA006, PIC24FJ128GA106, PIC24FJ192GA106, PIC24FJ256GA106, dsPIC33FJxxxMCx06 and dsPIC33FJxxxMCx06A	PIC24HJxxxGPx06, PIC24HJxxxGPx06A, dsPIC33FJxxxGPx06 and dsPIC33FJxxxGPx06A

80-pin MCU cards support the following microcontrollers (<i>TQFP MCU Card 1</i>)
PIC24FJxxxGB108, PIC24FJxxGA008, PIC24FJxxxGA008, PIC24FJ128GA108, PIC24FJ192GA108 and PIC24FJ256GA108

80-pin MCU cards support the following microcontrollers (<i>TQFP MCU Card 2</i>)	
U1	U2
dsPIC33FJxxxMCx08A and dsPIC33FJxxxMCx08	dsPIC33FJxxxGPx08 and dsPIC33FJxxxGPx08A

100-pin MCU cards support the following microcontrollers (<i>TQFP MCU Card 1</i>)	
U1 - PF	U2 - PT
PIC24FJXXXGB110, PIC24FJXXGA010, PIC24FJ128GA110, PIC24FJ192GA110, PIC24FJ256GA110, dsPIC33FJ64MC510, dsPIC33FJ128MC510, dsPIC33FJ256MC510, dsPIC33FJ64MC710, dsPIC33FJ128MC710, dsPIC33FJ256MC710, dsPIC33FJ64MC510A, dsPIC33FJ128MC510A, dsPIC33FJ256MC510A, dsPIC33FJ64MC710A, dsPIC33FJ128MC710A and dsPIC33FJ256MC710A	

100-pin MCU cards support the following microcontrollers (<i>TQFP MCU Card 2</i>)
dsPIC33FJXXXGPX10A, dsPIC33FJXXXGPX10, PIC24HJXXXGPX10A and PIC24HJXXXGPX10

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

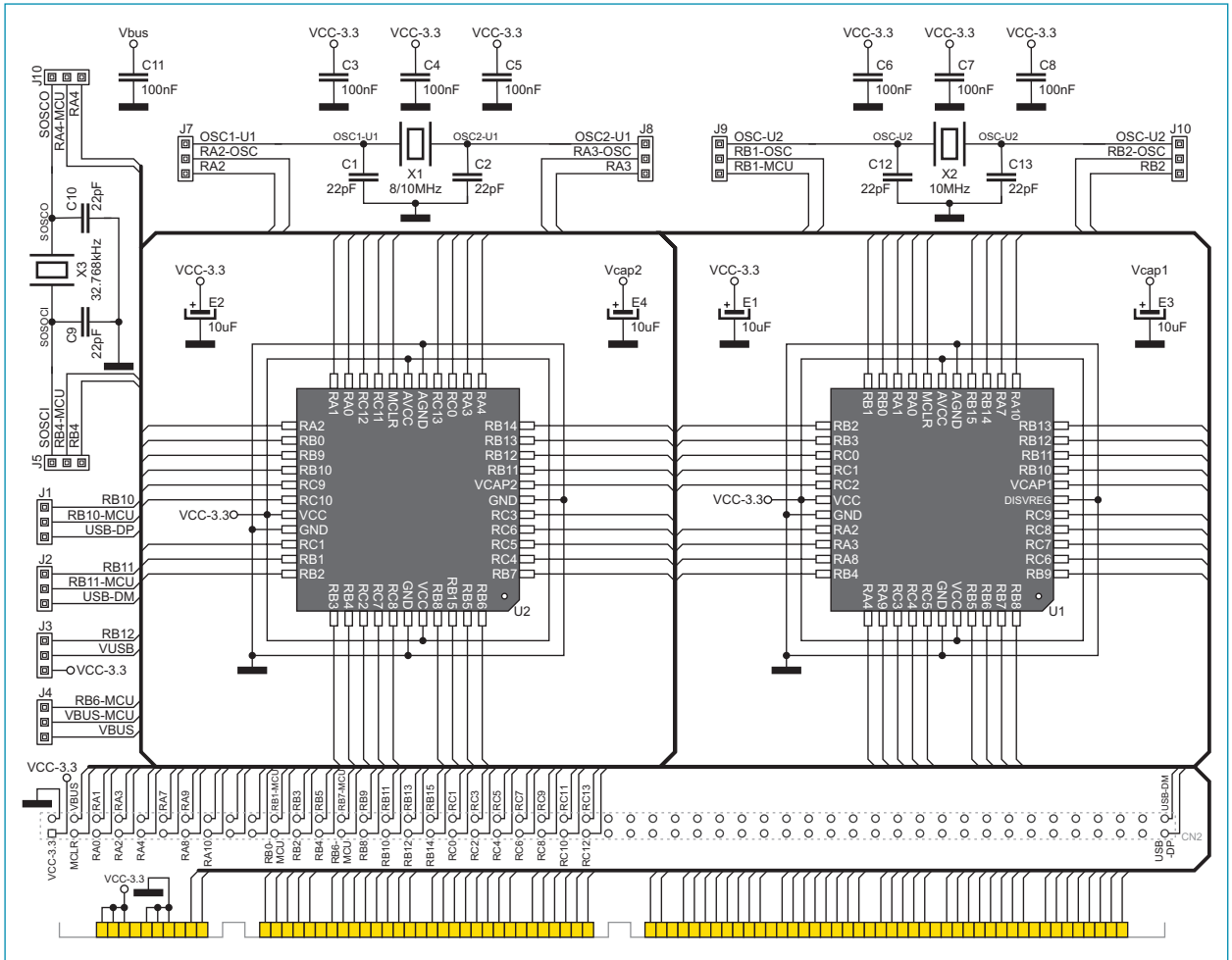


Figure 1: 44-pin MCU card and microcontroller connection schematic

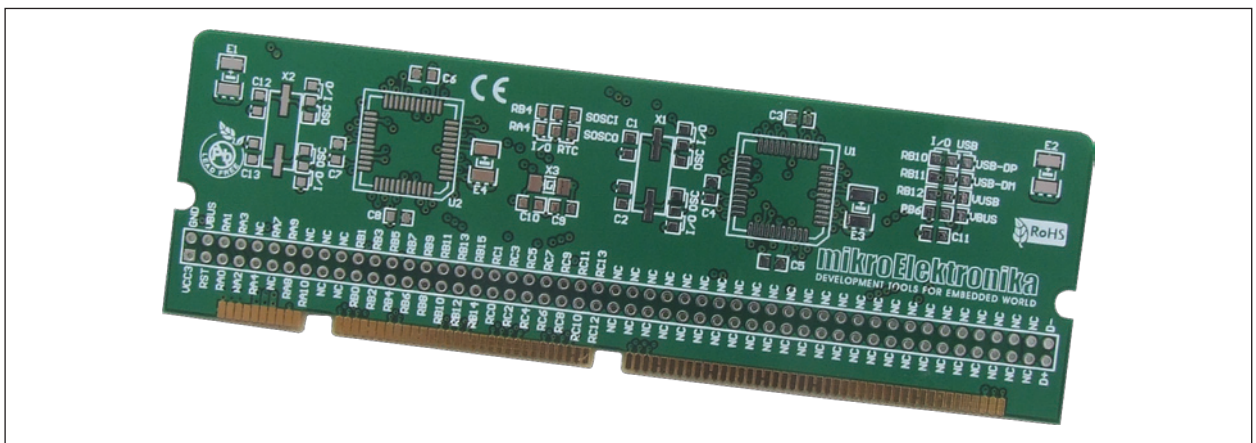


Figure 2: Empty 44-pin MCU card

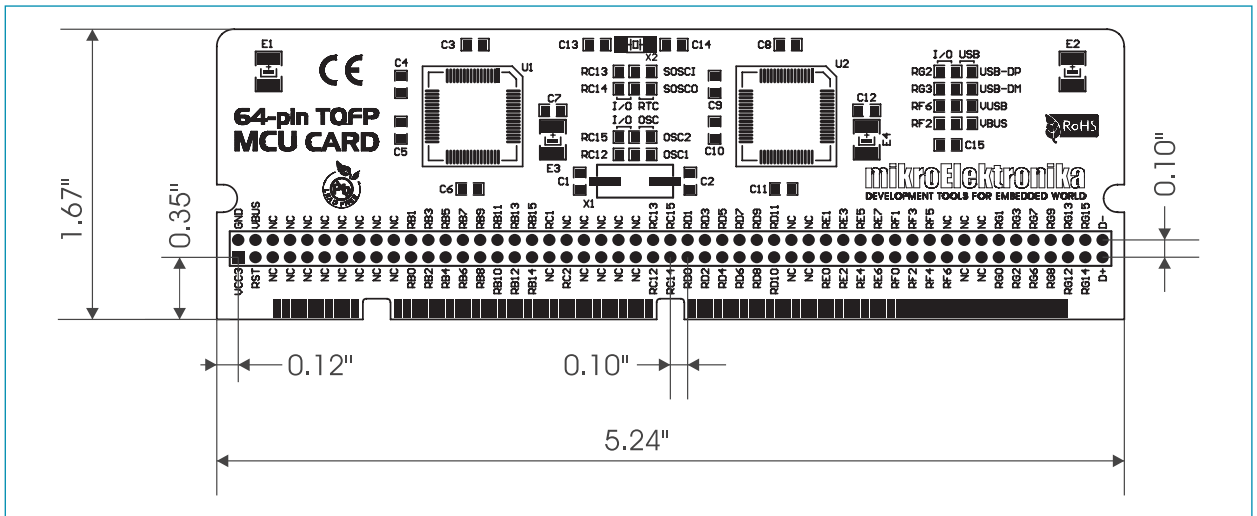


Figure 3: Dimensions of 44-, 64- and 80-pin TQFP MCU Card 1 MCU cards

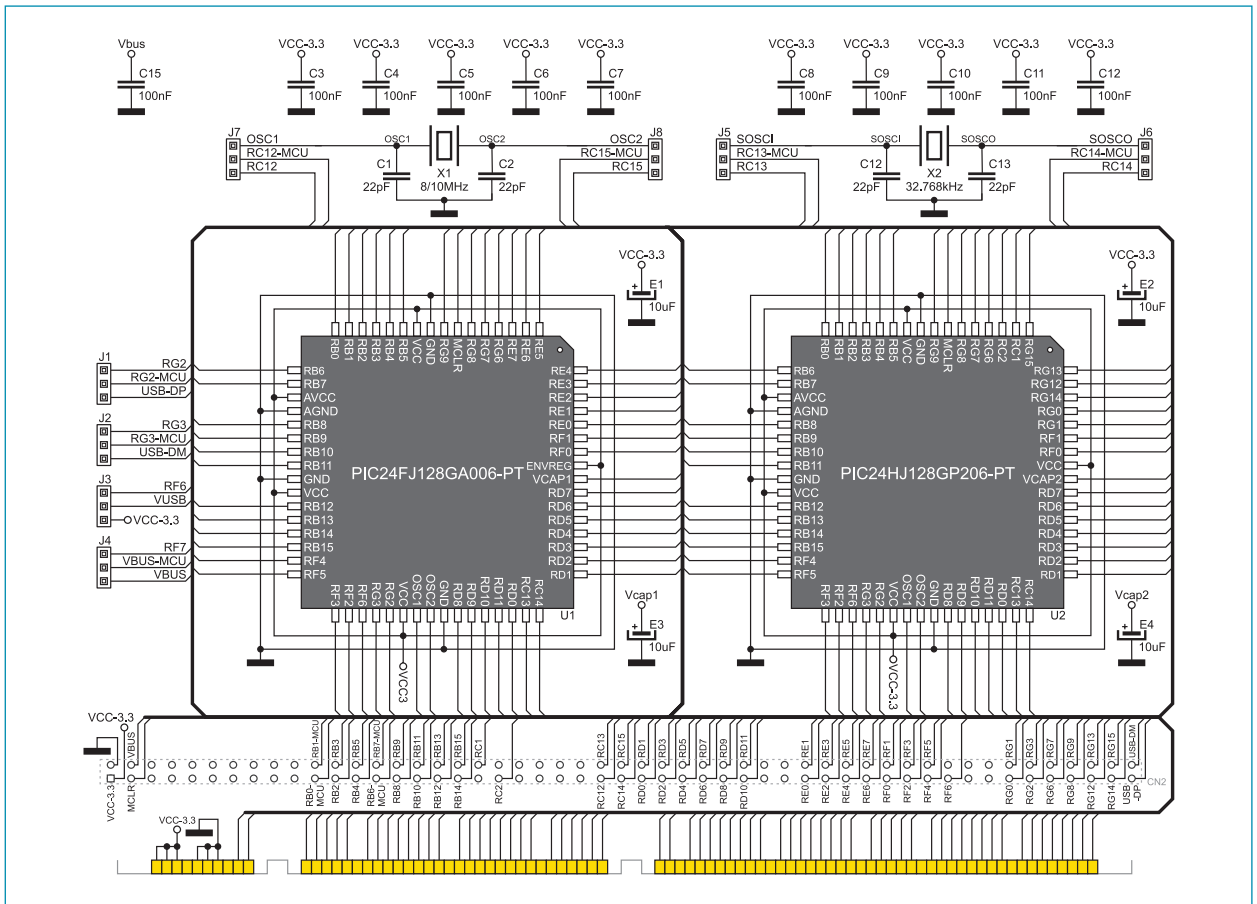


Figure 4: 64-pin MCU card and microcontroller connection schematic

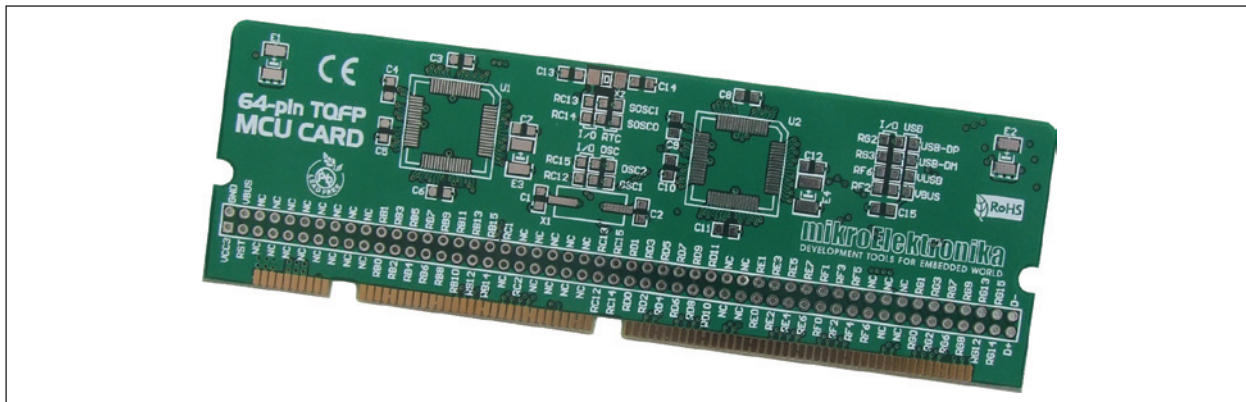


Figure 5: Empty 64-pin MCU card

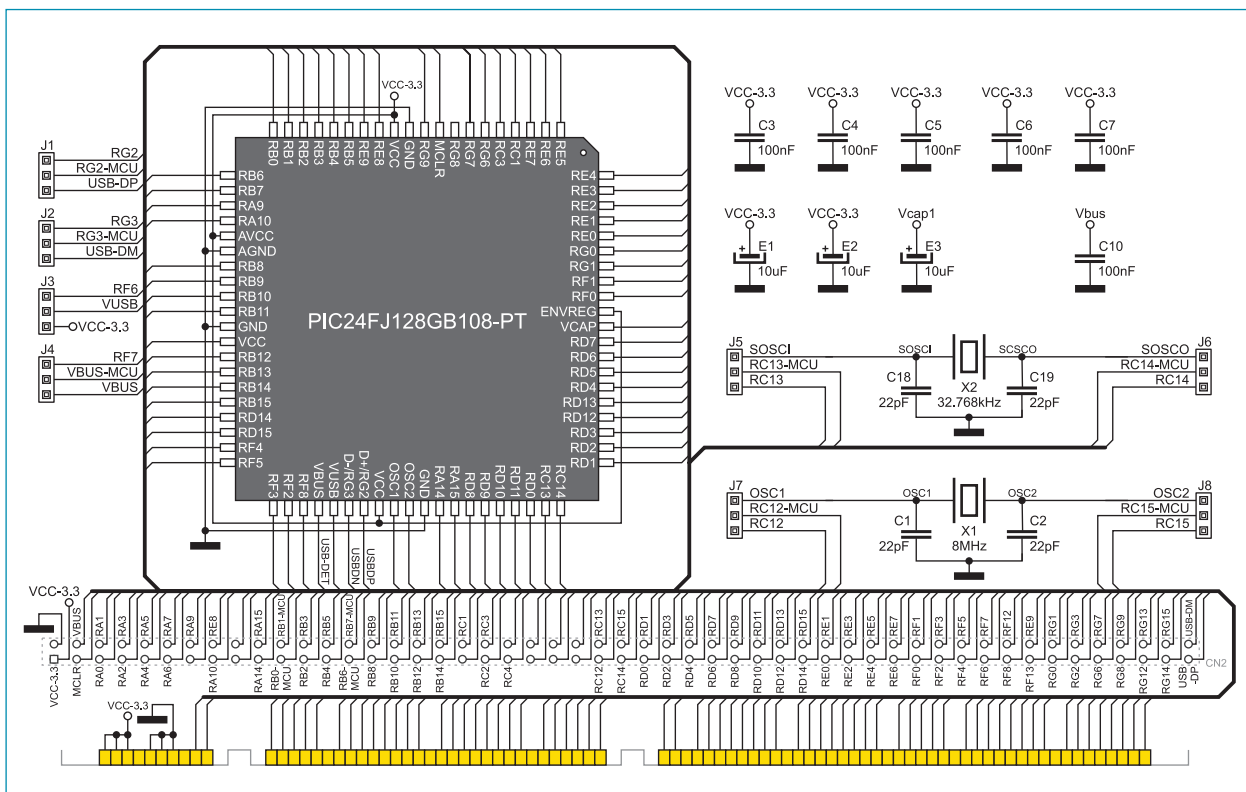


Figure 6: 80-pin TQFP MCU Card 1 MCU card and microcontroller connection schematic

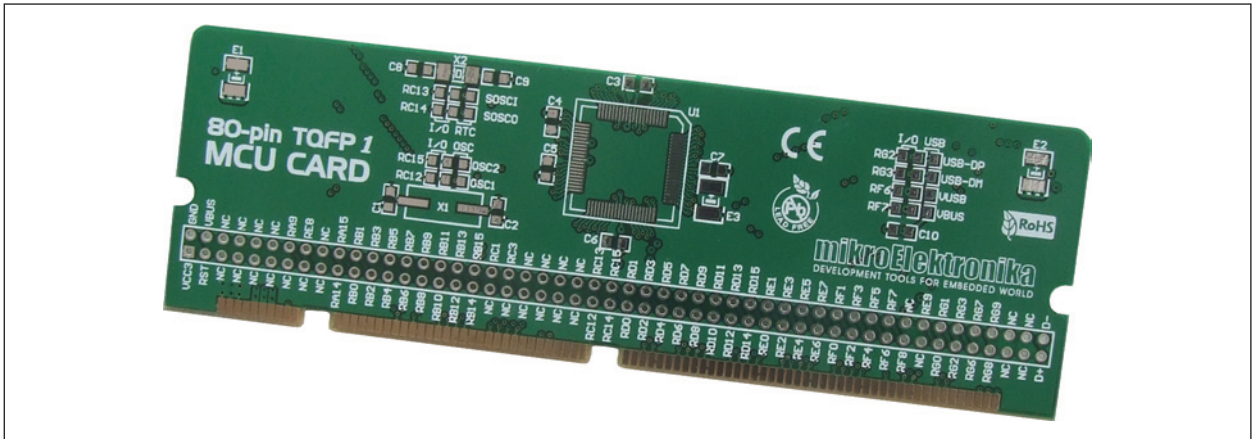


Figure 7: Empty 80-pin TQFP MCU Card 1 MCU card

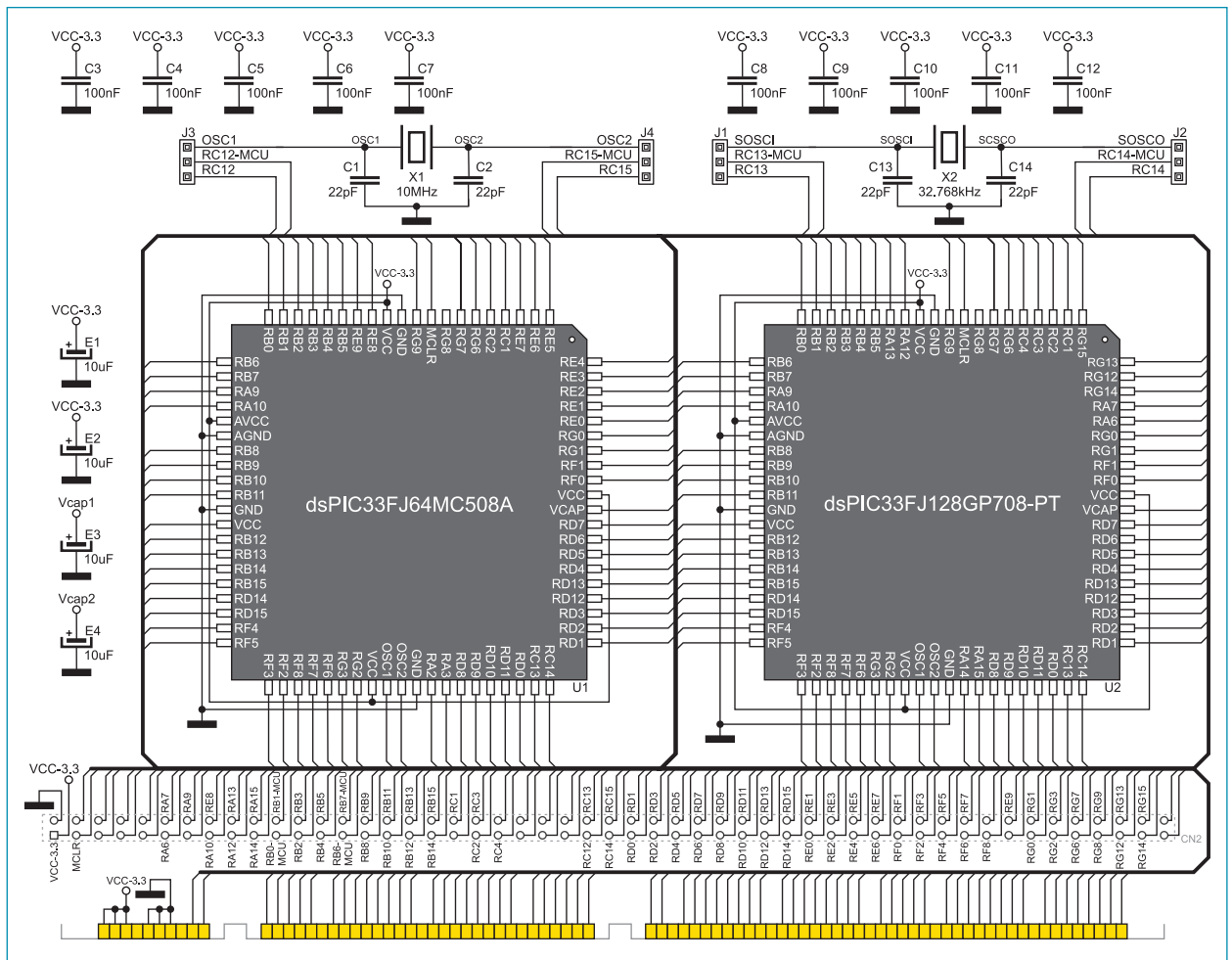


Figure 8: 80-pin TQFP MCU Card 2 MCU card and microcontroller connection schematic

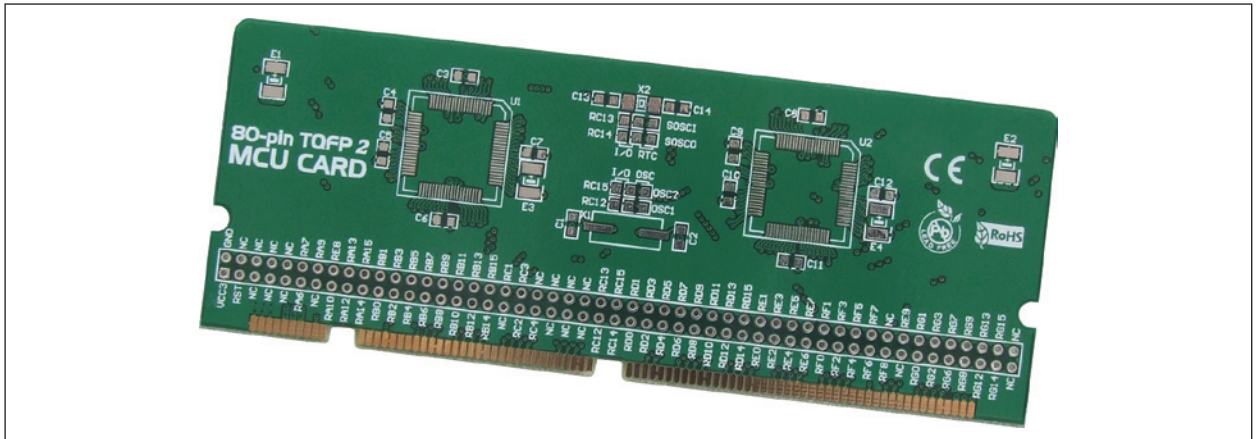


Figure 9: Empty 80-pin TQFP MCU Card 2 MCU card

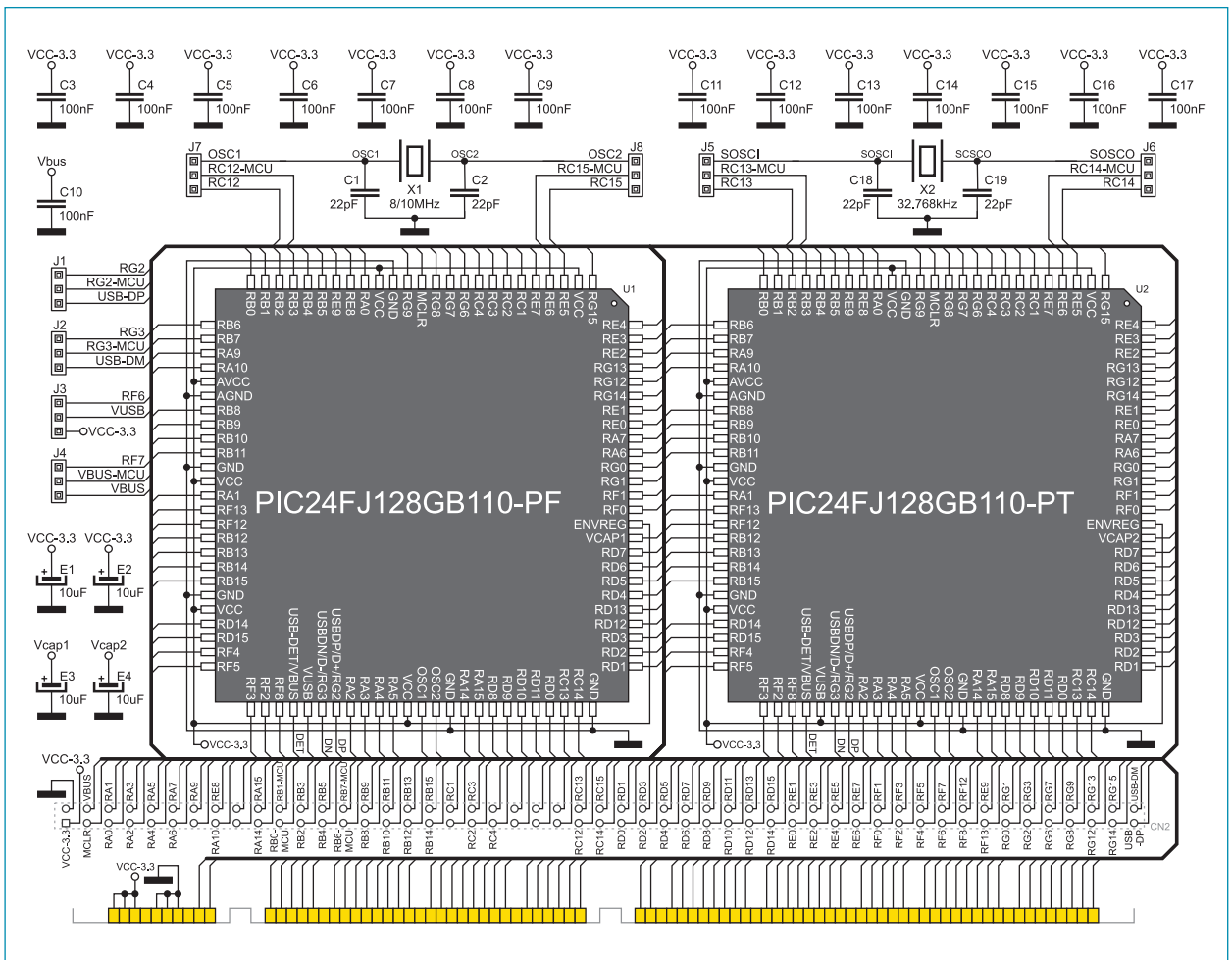


Figure 10: 100-pin TQFP MCU Card 1 MCU card and microcontroller connection schematic

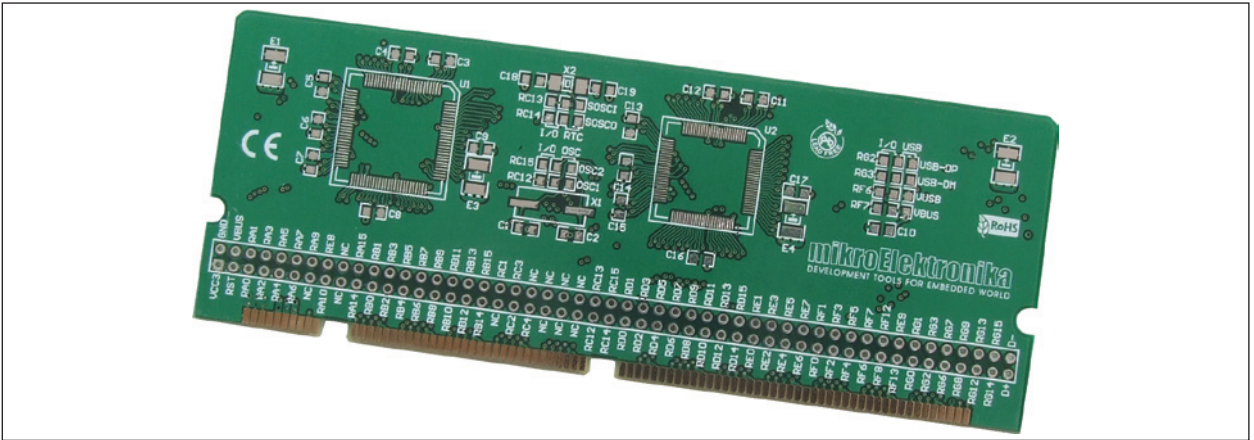


Figure 11: Empty 100-pin TQFP MCU Card 1 MCU card

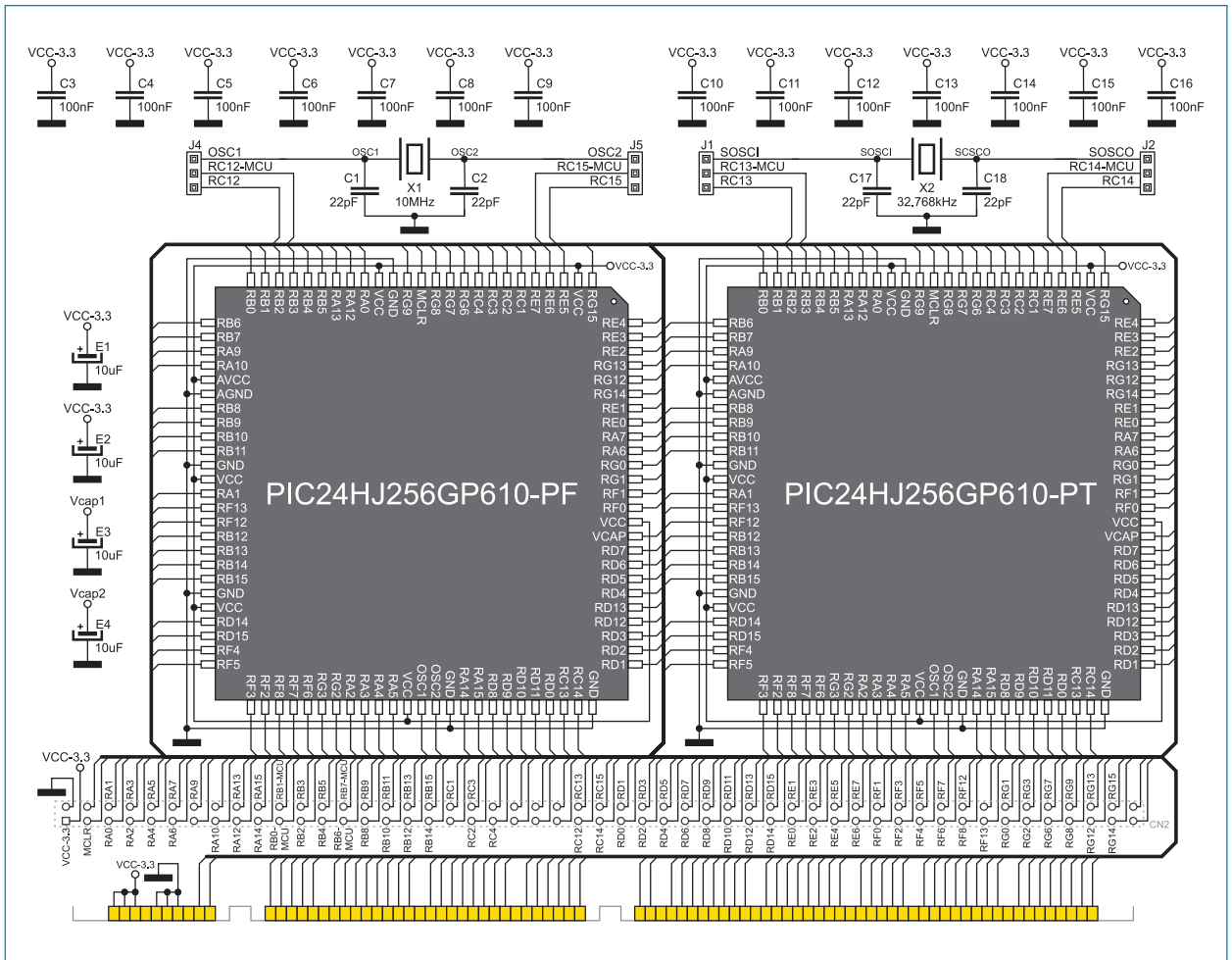


Figure 12: 100-pin TQFP MCU Card 2 MCU card and microcontroller connection schematic

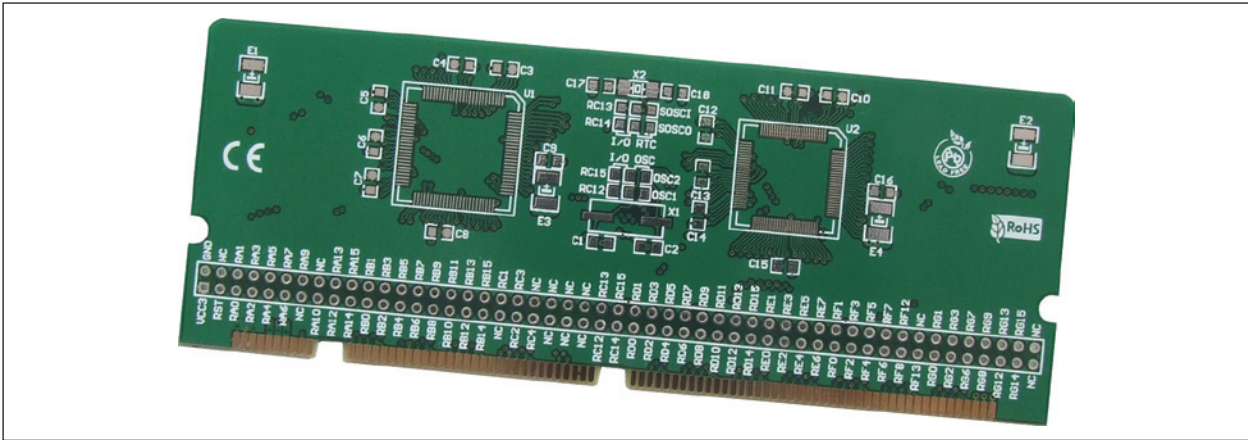


Figure 13: Empty 100-pin TQFP MCU Card 2 MCU card

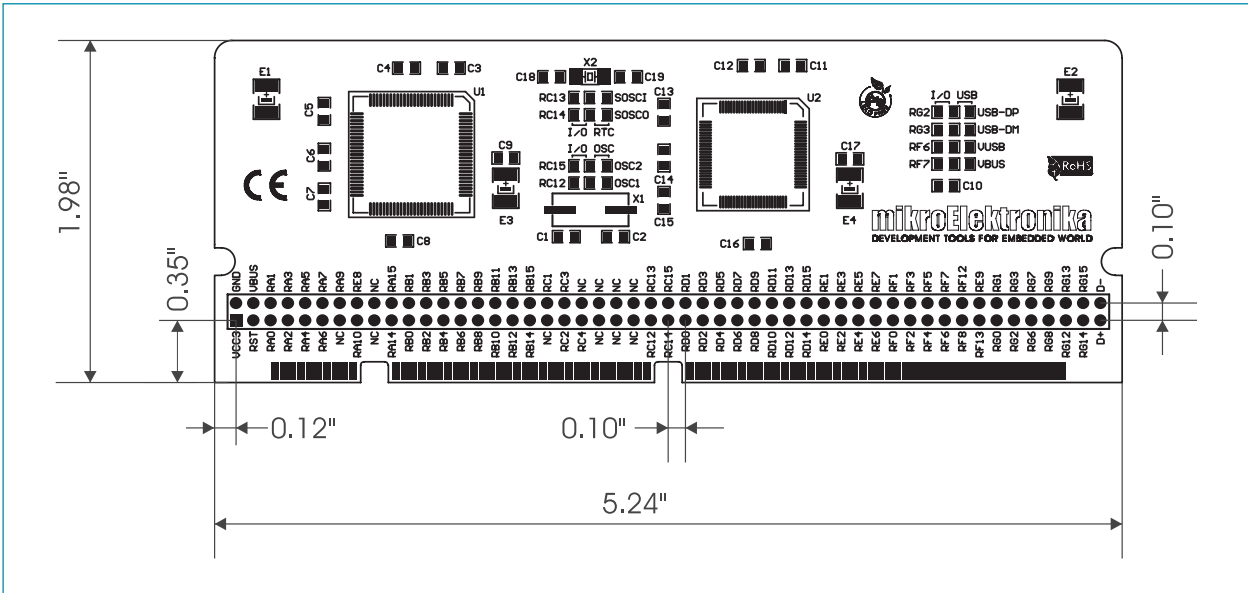


Figure 14: Dimensions of 80-pin TQFP MCU Card 2 and 100-pin (TQFP MCU Card 1 and TQFP MCU Card 2) MCU cards



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