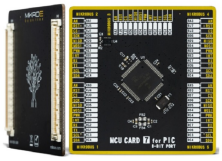
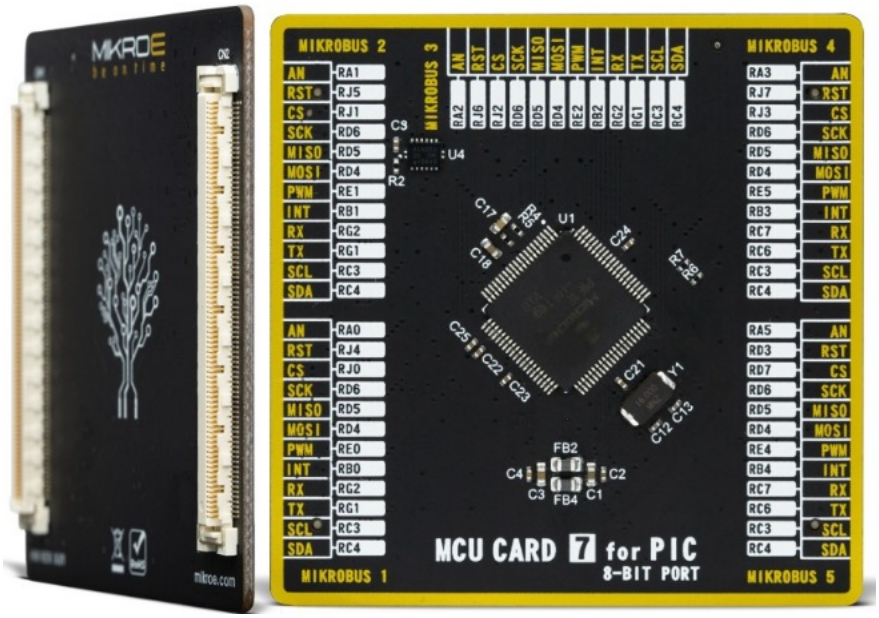
MIKROE MCU CARD 7 for PIC PIC18F86J50 Multi Adapter



MIKROE MCU CARD 7 for PIC PIC18F86J50 Multi Adapter User Guide

Contents

MIKROE MCU CARD 7 for PIC PIC18F86J50 Multi Adapter



Product Information

Specifications

Type	Architecture	MCU Memory (KB)	Silicon Vendor	Pin count	RAM (Bytes)	Supply Voltage
MCU CARD 7 for PIC PIC18F86J50	8th Generation PIC (8-bit)	64	Microchip	80	4096	3.3V

Product Usage Instructions

Step 1: MCU Card Installation

To use the MCU CARD 7 for PIC PIC18F86J50, follow these steps:

1. Ensure that your target device or development board is powered off.
2. Locate the appropriate slot or connector on your target device or development board for inserting the MCU CARD.
3. Gently align the MCU CARD's pins with the slot or connector and insert it firmly.
4. Double-check that the MCU CARD is securely connected and properly seated.

Step 2: Power Supply Connection

The MCU CARD requires a power supply to operate. Follow these steps to connect the power supply:

1. Identify the power supply pins on your target device or development board.
2. Connect the appropriate power cables or wires to the corresponding pins on the MCU CARD.
3. Ensure that the power supply voltage matches the specified supply voltage of 3.3V.
4. Verify the polarity of the power connections, ensuring correct alignment.

Step 3: Programming and Communication

To program and communicate with the MCU CARD, follow these steps:

1. Refer to the PIC18F86J50 Datasheet for detailed information on programming and communication protocols.
2. Connect your programming device or computer to the appropriate communication interface on your target device or development board.
3. Follow the instructions provided by your programming software or IDE to establish communication with the MCU CARD.
4. Use the programming software or IDE to load your desired firmware or code onto the MCU CARD.

FAQ

Q: Where can I find additional resources for the MCU CARD 7 for PIC PIC18F86J50?
A: Additional resources, including the MCU Card Flyer, PIC18F86J50 Datasheet, and SiBRAIN for PIC18F86J50 schematic, can be downloaded from Arrow.com. Visit the product page for the MCU CARD on Arrow.com and navigate to the “Downloads” section.

Q: What is the supply voltage requirement for the MCU CARD?
A: The MCU CARD requires a supply voltage of 3.3V. Ensure that your power supply provides this voltage to avoid any compatibility issues.

INTRODUCTION

PID: MIKROE-4040
MCU Card is a standardized add-on board, which allows very simple installation and replacement of the microcontroller unit (MCU) on a development board equipped with the MCU Card socket. By introducing the new MCU Card standard, we have ensured the absolute compatibility between the development board and any of the supported MCUs, regardless of their pin number and compatibility. MCU Cards are equipped with two 168-pin mezzanine connectors, allowing them to support even MCUs with extremely high pin count. Their clever design allows very simple usage, following the well-established plug & play concept of the Click board™ line of product.

Specifications

- **Type** 8th Generation
- **Architecture** PIC (8-bit)
- **MCU Memory (KB)** 64
- **Silicon Vendor** Microchip
- **Pin count** 80
- **RAM (Bytes)** 4096
- **Supply Voltage** 3.3V

Downloads

- MCU Card Flyer
- PIC18F86J50 Datasheet
- SiBRAIN for PIC18F86J50 schematic

Mikroe produces entire development toolchains for all major microcontroller architectures. Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve

outstanding results.

- **ISO 27001:** 2013 certification of informational security management system.
- **ISO 14001:** 2015 certification of environmental management system.
- **OHSAS 18001:** 2008 certification of occupational health and safety management system.
- **ISO 9001:** 2015 certification of quality management system (AMS).
- Downloaded from **Arrow.com**.

MIKROELEKTRONIKA D.O.O, Barajnicki drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918 Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: **office@mikroe.com** **www.mikroe.com**

Documents / Resources

	**MIKROE MCU CARD 7 for PIC PIC18F86J50 Multi Adapter** [pdf] User Guide MCU CARD 7 for PIC PIC18F86J50 Multi Adapter, MCU CARD, 7 for PIC PIC18F86J50 Multi Adapter, PIC18F86J50 Multi Adapter, Multi Adapter, Adapter

References

- TCPDF
- User Manual