

# mikroProg™ for PSoC® 5LP

mikroProg™ is a fast USB programmer and debugger.  
Smart engineering allows mikroProg™ to support all  
PSoC® 5LP microcontroller family.





# Table of Contents

Introduction to mikroProg™	4	step 3 - Installing the drivers	7
Key Features	5	step 4 - Finish installation	7
1. Installing Drivers and Programming Software	6	2. Connecting to the Target Device	8
step 1 - Start installation	7	3. Connector Pinout	9
step 2 - Setup	7	4. Connection schematic example	10

# Introduction to mikroProg™



mikroProg™ for PSoC® is a fast programmer and hardware debugger. It's a great tool for programming the Cypress® PSoC® 5LP microcontroller family. Outstanding performance, easy operation, elegant design and affordable price are its top features.

# Key Features

## What you see

- 01 Flat cable
- 02 USB MINI-B connector
- 03 DATA transfer indication LED
- 04 ACTIVE indication LED
- 05 LINK indication LED
- 06 POWER indication LED

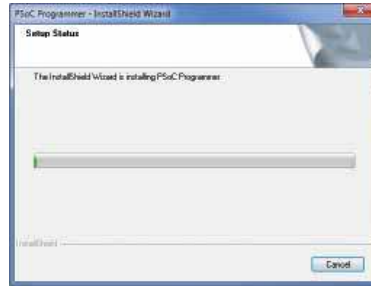




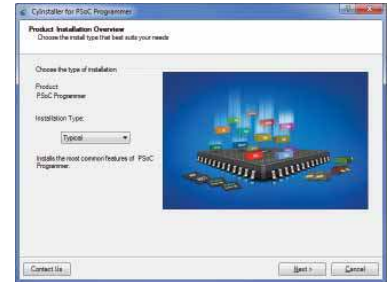
# Software installation wizard



01 Start Installation



02 Setup



03 Installation type



04 Accept license agreement



05 Installation in progress



06 Finish installation

## 2. Connecting to the Target Device

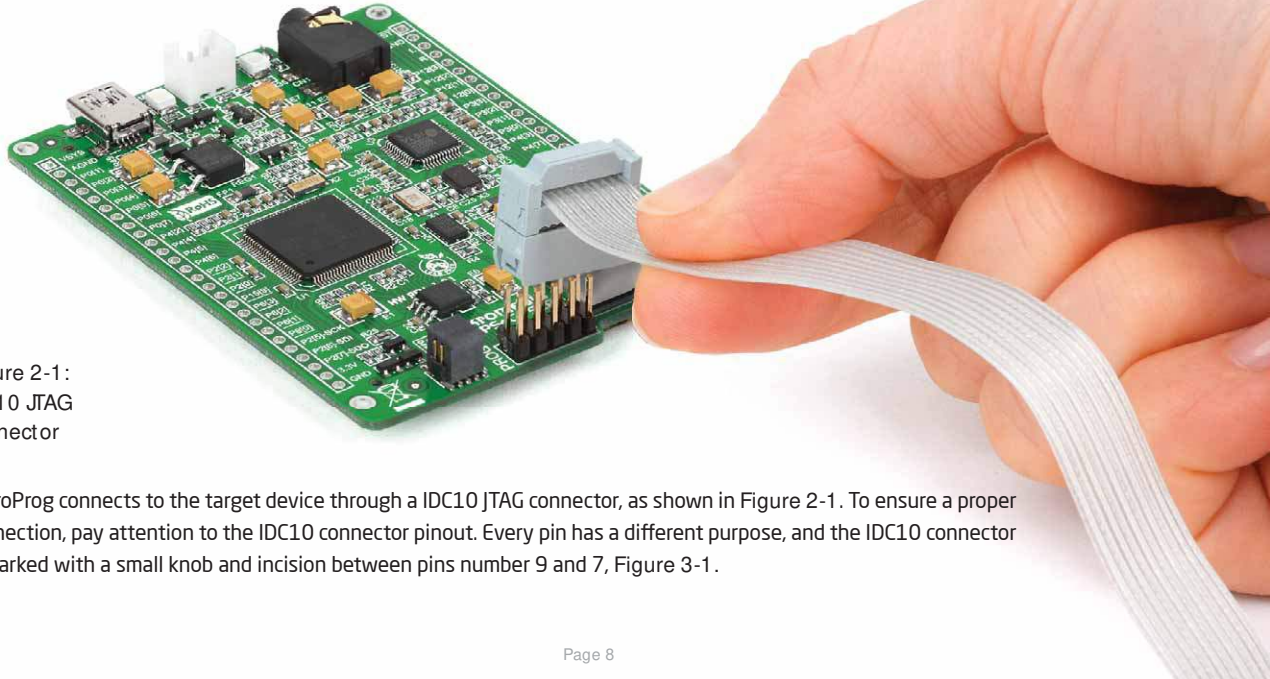


Figure 2-1:  
IDC10 JTAG  
connector

mikroProg connects to the target device through a IDC10 JTAG connector, as shown in Figure 2-1. To ensure a proper connection, pay attention to the IDC10 connector pinout. Every pin has a different purpose, and the IDC10 connector is marked with a small knob and incision between pins number 9 and 7, Figure 3-1.



# 3. Connector Pinout

01 VCC-3.3V - MCU power supply

03 GND - Ground

05 GND - Ground

07 GND - Ground

09 GND - Ground

02 SWDIO - SWD data I/O

04 SWDCK - SWD clock

06 SWO - Serial wire output

08 NC - Not connected

10 XRES - System Reset

Programming/  
debugging lines

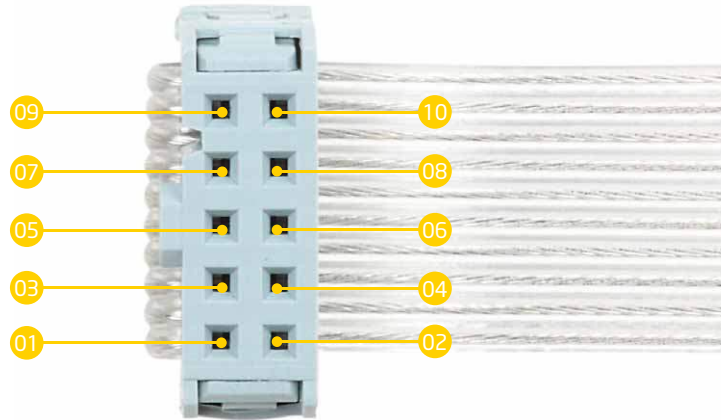
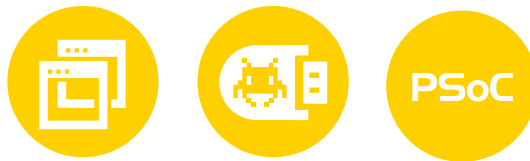


Figure 3-1: Female connector pinout







If you want to learn more about our products, please visit our website at [www.mikroe.com](http://www.mikroe.com)

If you are experiencing some problems with any of our products or just need additional information, please place your ticket at [www.mikroe.com/support/](http://www.mikroe.com/support/)

If you have any questions, comments or business proposals,  
do not hesitate to contact us at [office@mikroe.com](mailto:office@mikroe.com)

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