

To our valued customers

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Sincerely,



Owner and General Manager
of www.MicroHello.com

CONTENTS

1) Download and Install MPLAB X IDE.....	3
2) Install PICC8 and PICC18 compiler	3
3) How to create a new project	3
Contact Us	9
Products on www.MicroHello.com	10
DISCLAIMER	13
HIGH RISK ACTIVITIES	13
TRADEMARKS	13

1) Download and Install MPLAB X IDE

Download MPLAB X IDE from the MPLAB X IDE webpage:

<https://www.microchip.com/en-us/tools-resources/develop/mplab-x-ide> and launch the installer.

For more details, refer to [MPLAB® X IDE User's Guide](#).

2) Install PICC8 and PICC18 compiler

PICC8 compiler is for PIC16F series and PICC18 compiler is for PIC18F series.

For more details, refer to the relevant documentation. To download the evaluation version of [PICC8](#) and [PICC18](#) compiler, please contact:

microhello_sales@163.com

microhello_support@163.com

3) How to create a new project

Now, let's use [PIC18F4550](#) as an example to create a new project. Assuming that your projects are kept at [F:\PIC-EK-18f4550\LEDs_Run](#).

Create a new project from the menu bar by [File -> New Project](#). See the following **Figure 1**.

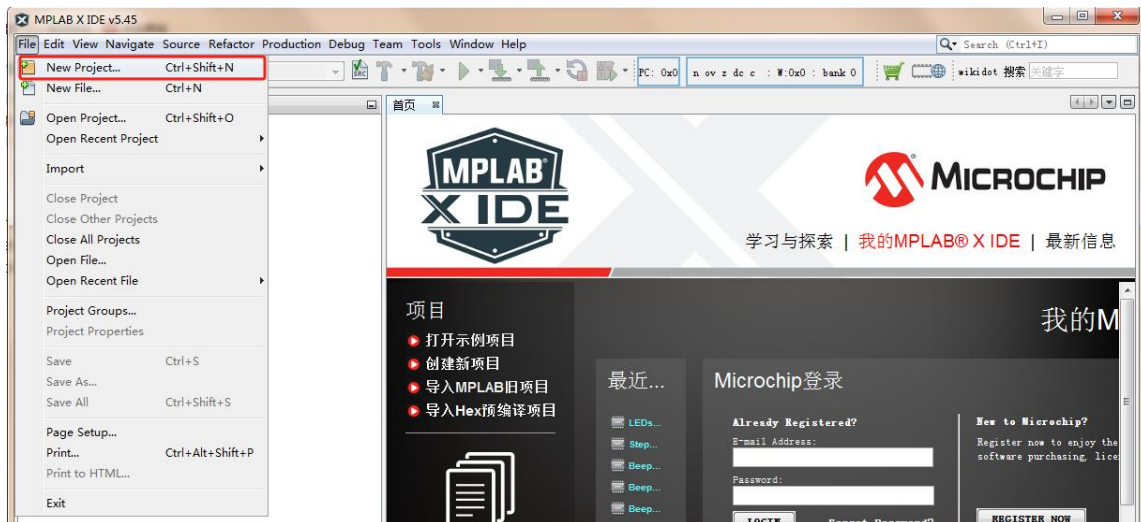


Figure 1

In the *New Project Choose Project* window, simply click *Next*. See the following **Figure 2**.

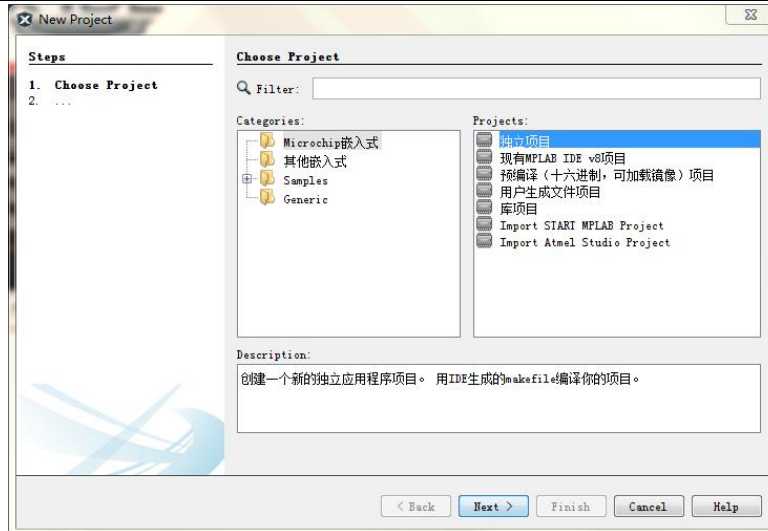


Figure 2

In the **New Project Select Device** window, select **PIC18F4550** in the **Device** drop-down list and click **Next** to continue. See the following **Figure 3**.



Figure 3

In the **New Project Select Compiler** window, select **HI-TECH PICC18-PRO V9.66** and click **Next** to continue. See the following **Figure 4**.

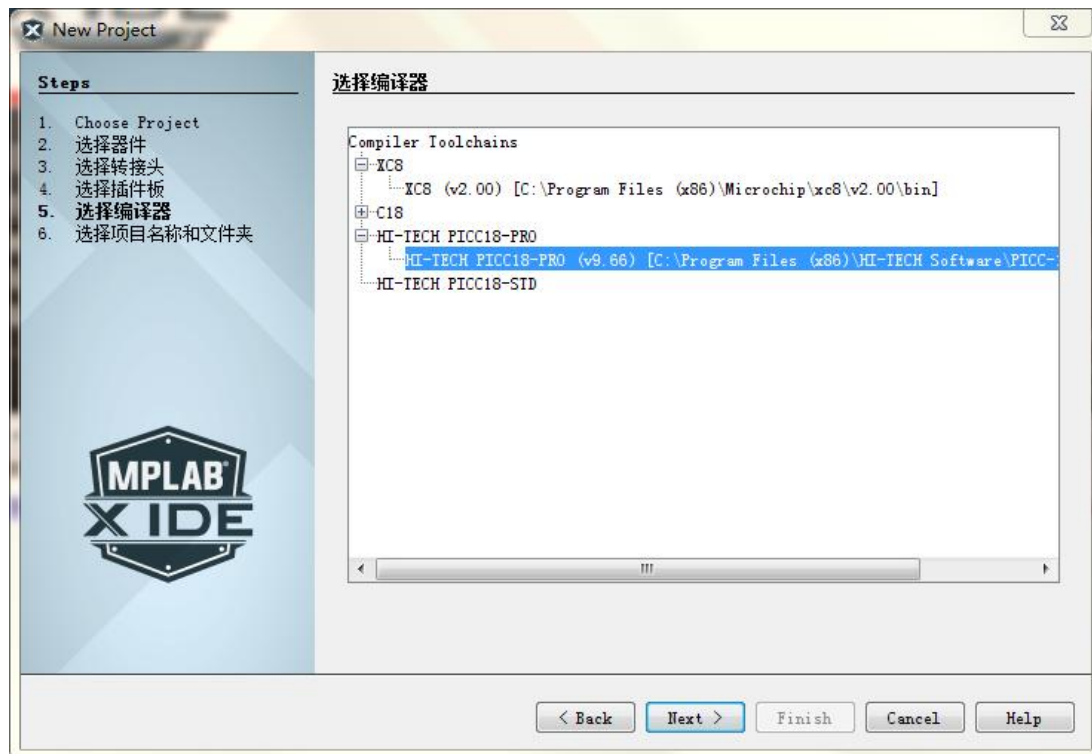


Figure 4

In the **New Project Select Project Name and Folder** window, browse to the currently created project folder **F:\PIC-EK-18f4550\LEDs_Run** and type in **LEDs_Run** as the name for the new project. Select **GB2312** in the **Encoding** drop-down list, and click **Finish** to continue. See the following **Figure 5**.

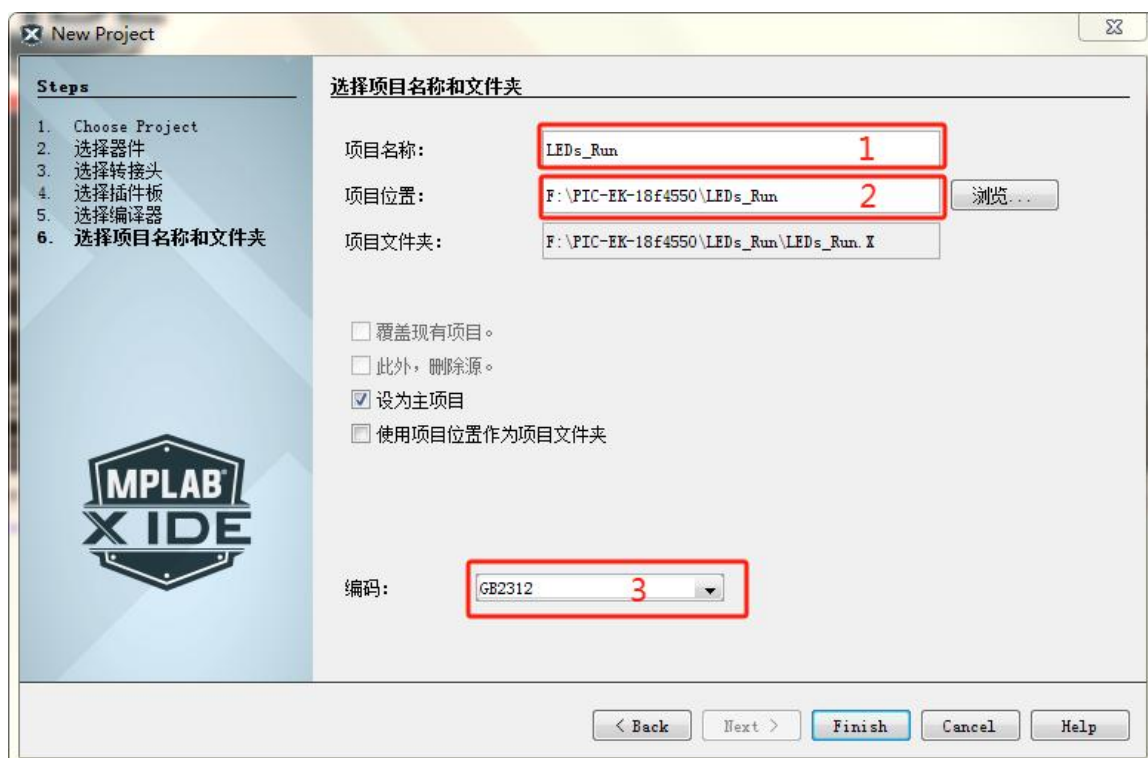


Figure 5

A project has now been created. Click the icon inside the red circle to create a **.c** source file. you can also create this file from the menu bar by **File -> New File**. See the following **Figure 6**.

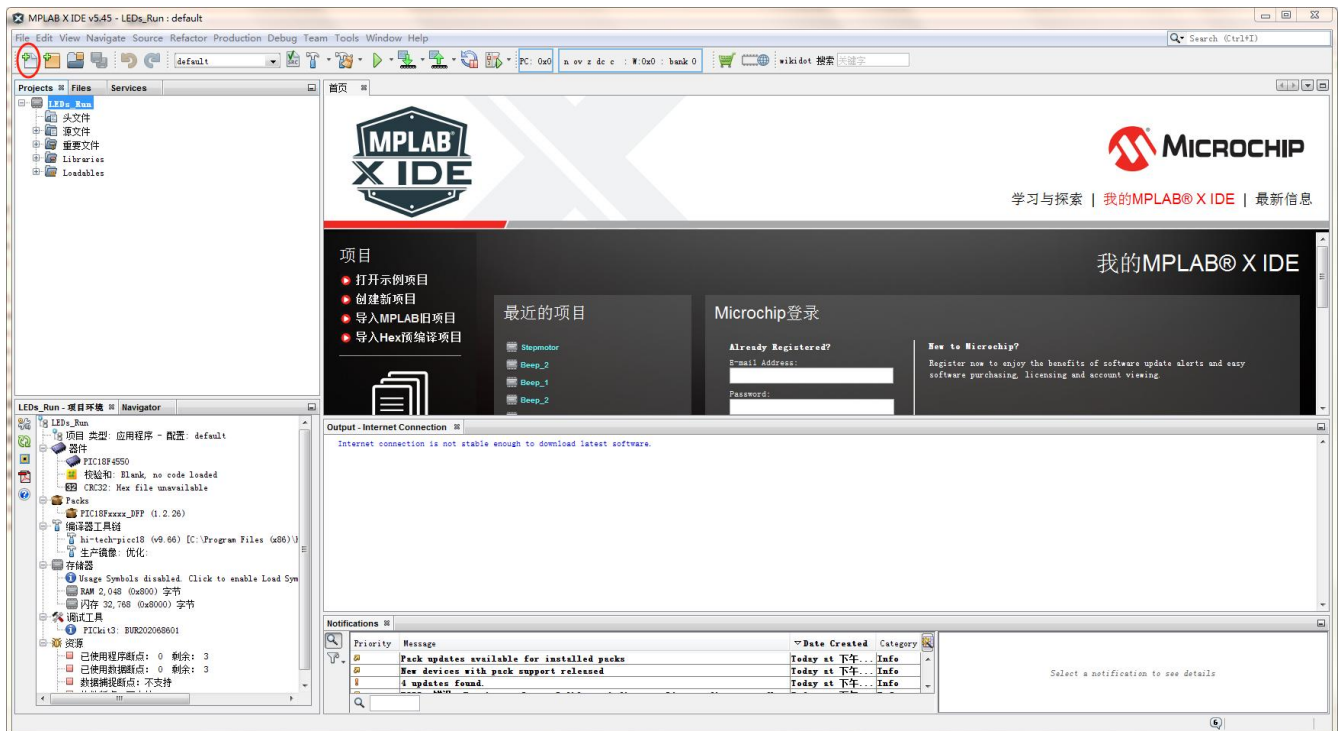


Figure 6

In the *Choose File Type* window, Select **C** in the *Categories* list, Select **C Main File** in the *File Type* list, and click *Next* to continue. See the following Figure 7.

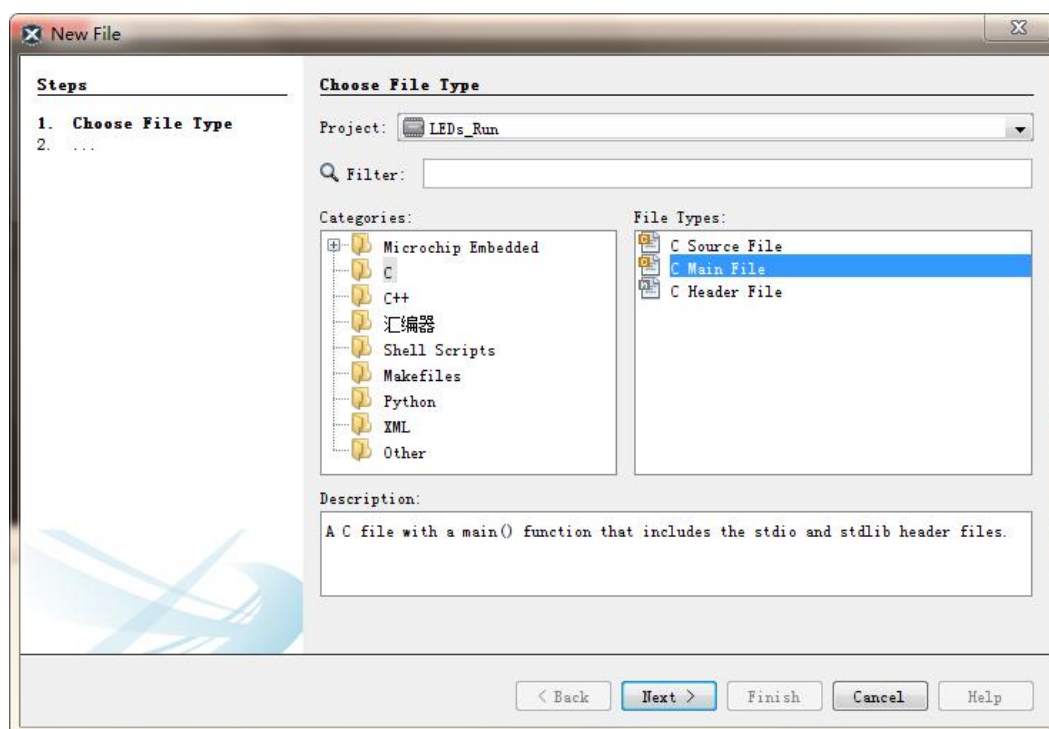


Figure 7

In the *Name and Location* window, sign in “LEDs_Run” in *File Name*, and click *Fish* to continue. See the following Figure 8.

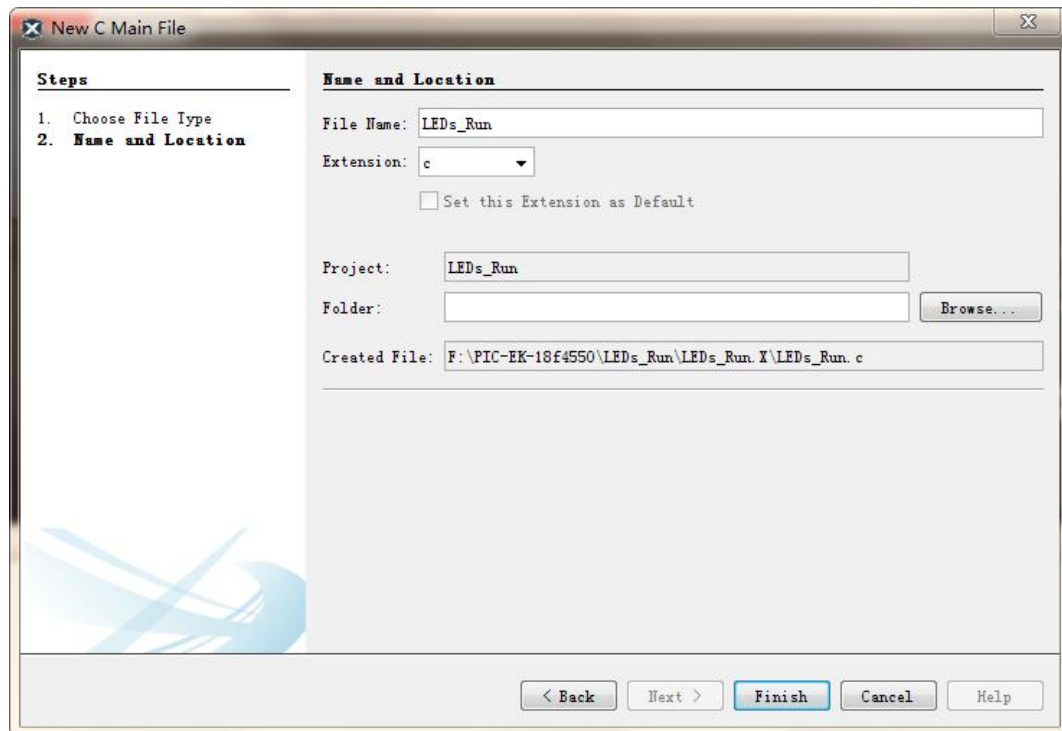


Figure 8

Add source code in [area 1](#) of the following Figure 9. After completing the code writing, click the icon in [area 2](#) to try to compile it. See the following **Figure 9**.

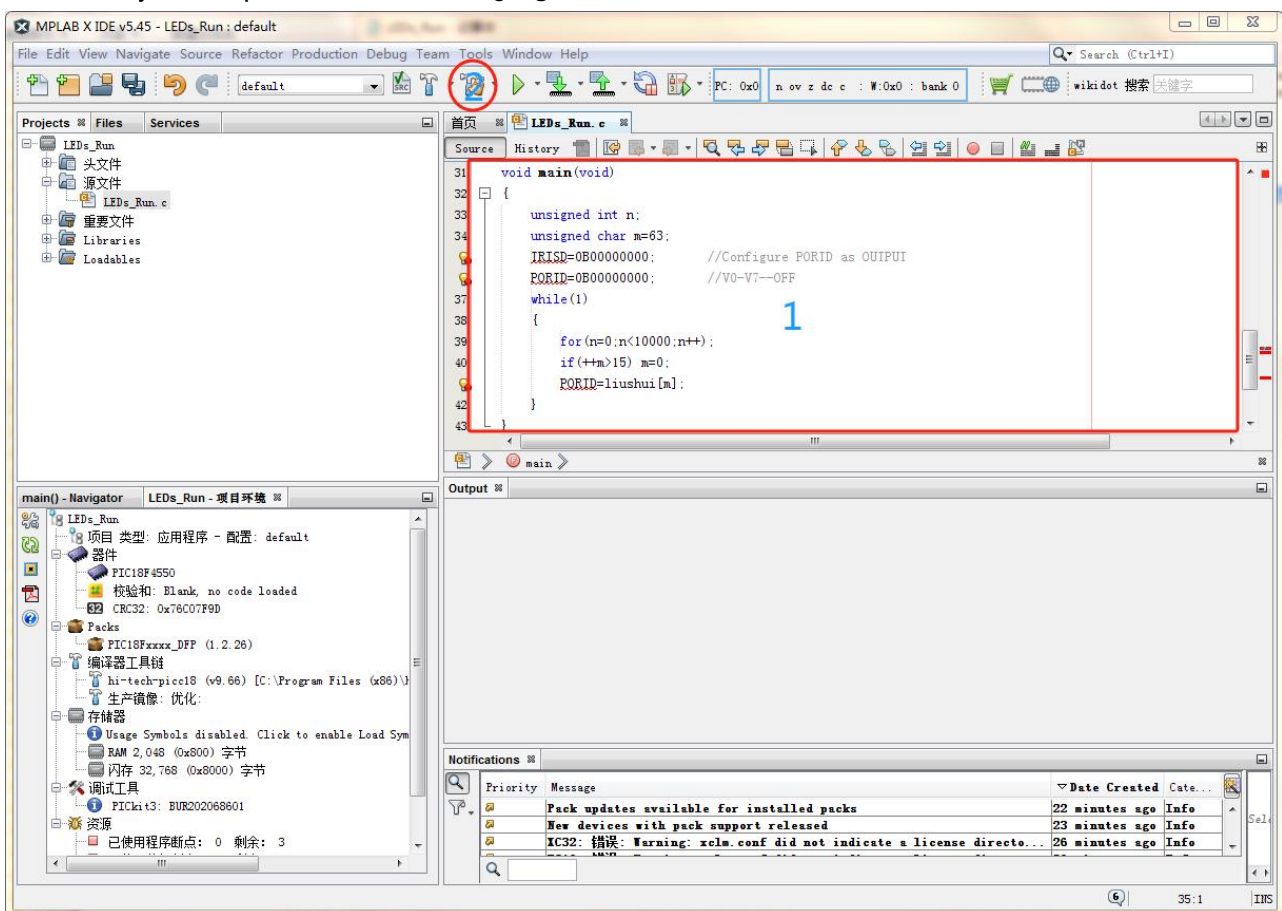


Figure 9

If the project is compiled successfully, you can try to download it to the target microcontroller
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Create a New Project using MPLAB X IDE+PICC Compiler

PIC18F4550 and observe the program's operation. In the following **Figure 10**, **area 1** shows the project is compiled successfully, the icon in **area 2** is a button to download. See the following **Figure 10**.

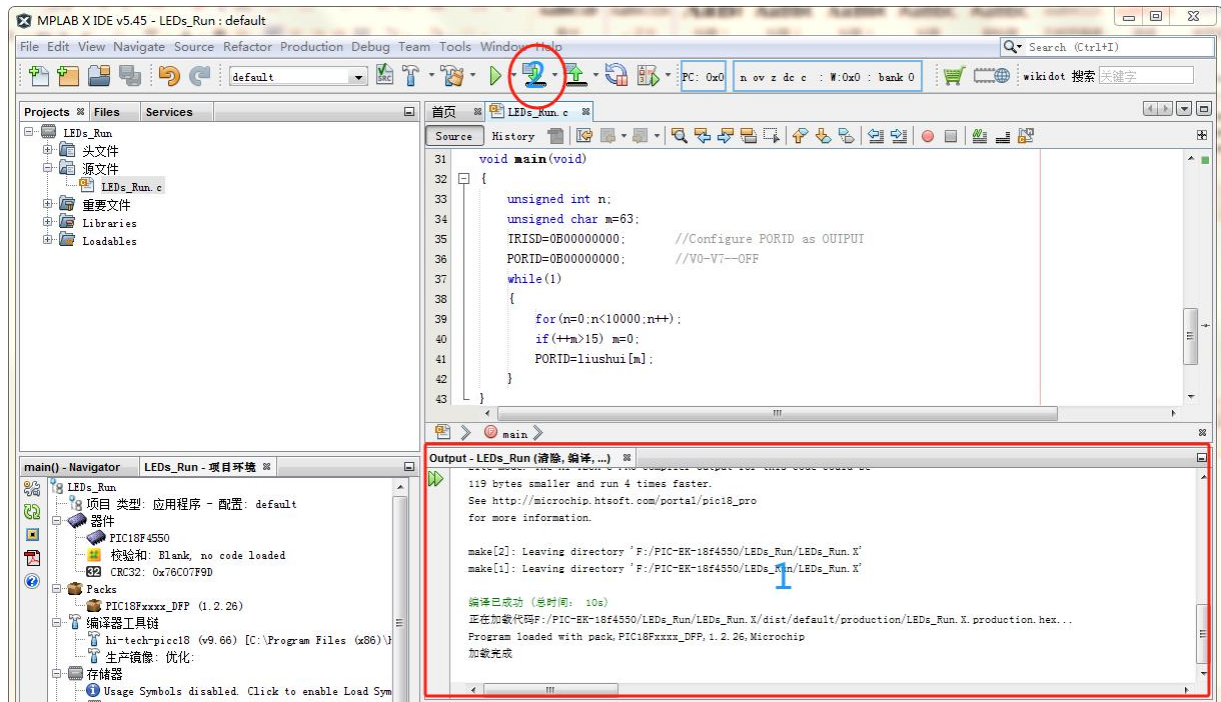


Figure 10

In the following **Figure 11**, it shows the download is completed.

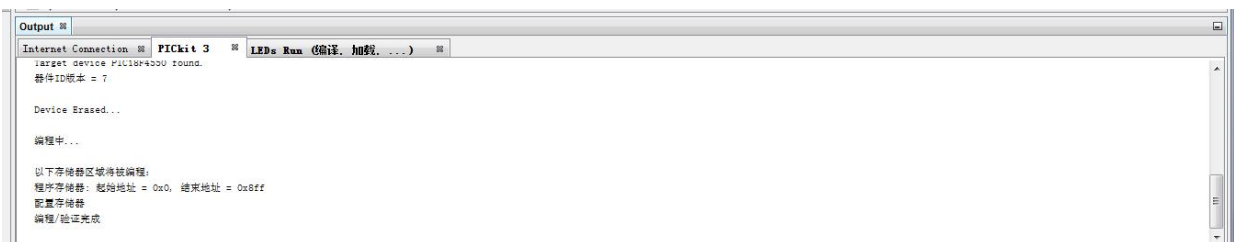








Figure 11

Contact Us

If you want to learn more about our products, please visit our website at:

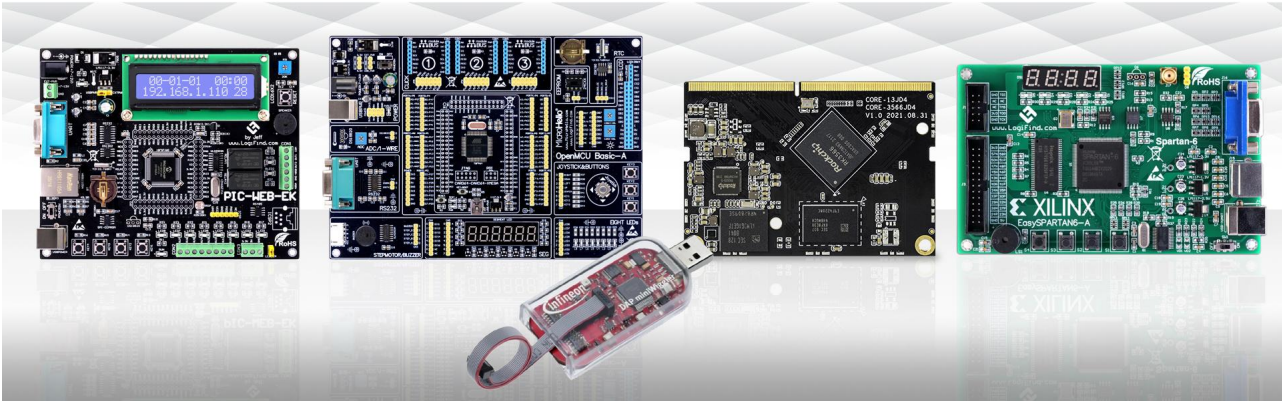
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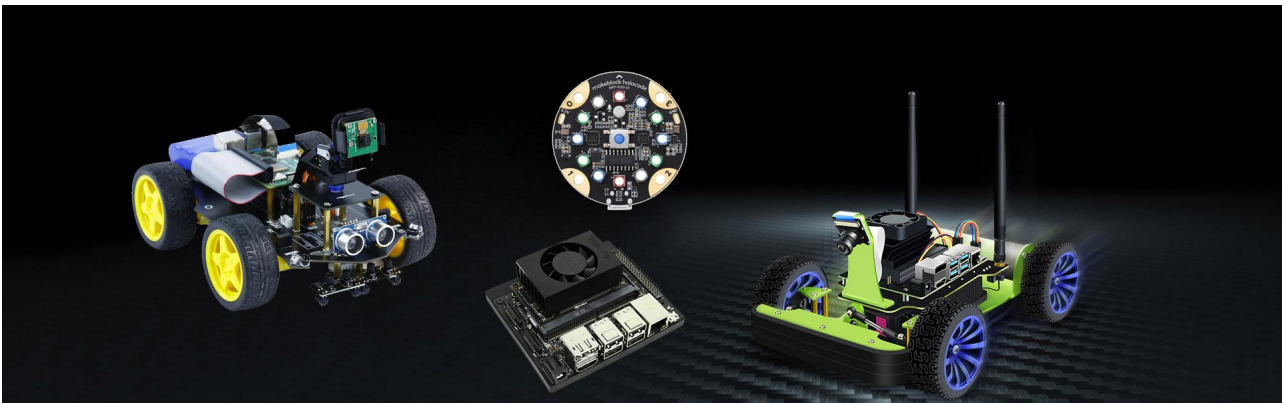
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 e-mail(Tech Support)	microhello_support@163.com
 Skype(Order/Tech Support)	love100mhz
 WhatsApp(Order/Tech Support)	(+86)15978193886
 Wechat(微信) (Order/Tech Support)	(+86)15978193886
 Mobile(Order/Tech Support)	(+86)15978193886

Products on www.MicroHello.com

1. FPGA/CPLD/MCU Development Tools: Raspberry Pi; Arduino; MCU development boards and Programmers/debuggers of FPGA/CPLD, AVR, PIC, PIC32, PIC24, dsPIC, MSP430, NXP, C8051F, 51, STM32, STM8, LPC and ESP32.



2.AI and Robots: Jetson AI development board, AI camera, AI Robot, MCU Robot, Raspberry Robot, Arduino Robot, Robot/AI accessories.



3. Attitude Solutions: Inclinerometer, Dynamic Inclinerometer, Tilt Switch, Dynamic Tilt Switch, Digital Compass, Accelerometer, Digital Display Inclinerometer, GYRO, AHRS, North Finder, Inertial Navigation System, Photovoltaic Tilt Sensor.



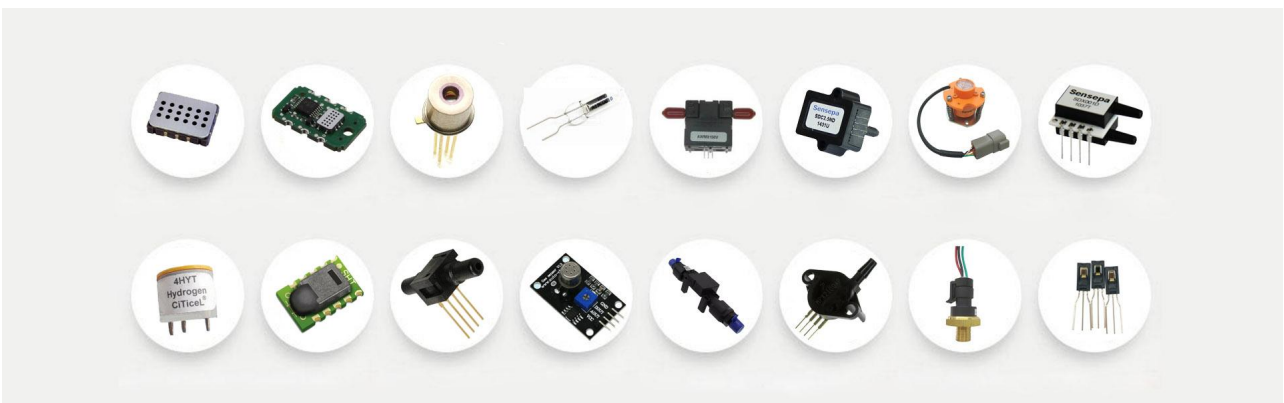
4. CAN Bus Series: CAN Analyzer, USBCAN-OBID, Ethernet/Modbus TCP/Modbus RTU/WIFI to CAN, CANopen to UART, CANopen slave/master Converter, Programmable Smart Gateway Series, CANopen IO Coupler, Modbus IO Coupler.



5. Displays: Character LCD display, Graphic LCD display, Color LCD display(TFT), Segment LCD display, Segment LED display, Black & White ePaper, Multi-Color ePaper, Full Color ePaper.



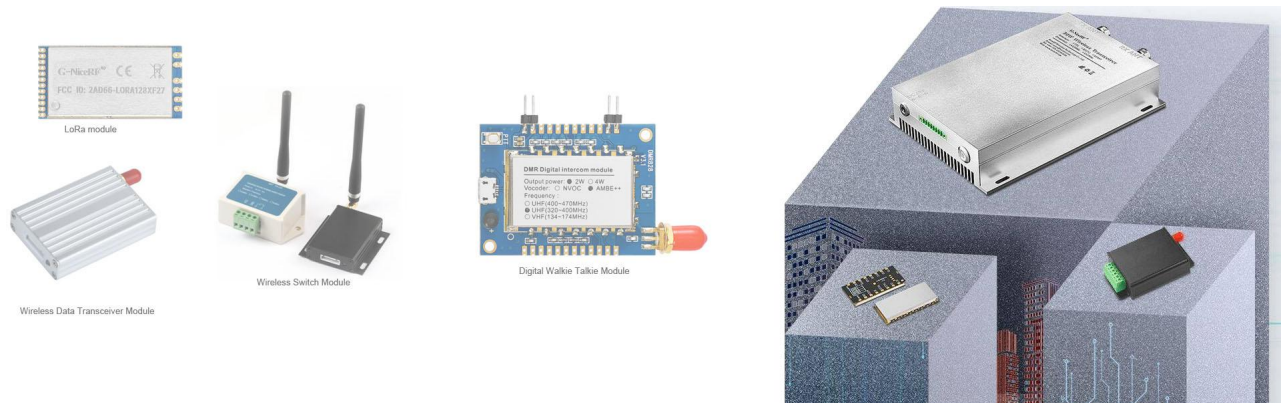
6. Sensors and Sensor Modules: Pressure/Force Sensor, Distance Measuring Sensor, Acceleration Sensor, Micro Flow/Air Flow Sensor, Dust Sensor, Temperature and Humidity Sensor, Transmissive Sensor, Hall-effect Rotary Position Sensor, Air Quality Sensor, Gas sensor(for CO₂, CH₄, O₂, NH₃, H₂S, NO₂, O₃, SO₂, CL₂, HCL, HF, PH₃, ETO, H₂, HCHO, C₂H₅OH, C₃H₈, NO, CLO₂, HCN or CH₃SH, etc.)



7. Wireless Modules: RF Module, LoRa Module, FSK Front-End RF Module, Sensor Acquisition

Create a New Project using MPLAB X IDE+PICC Compiler

Gateway and Node, Data Transceiver Module, Walkie Talkie Module, Wireless Switch Module, Wireless Audio Module, GPS Module, SDR, LoRaWan Gateways and Nodes, ASK & Superheterodyne Module.



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