

**NXP**  
**FRDM-**  
**MCXC041**  
**Development**  
**Board**



# NXP FRDM-MCXC041 Development Board User Guide

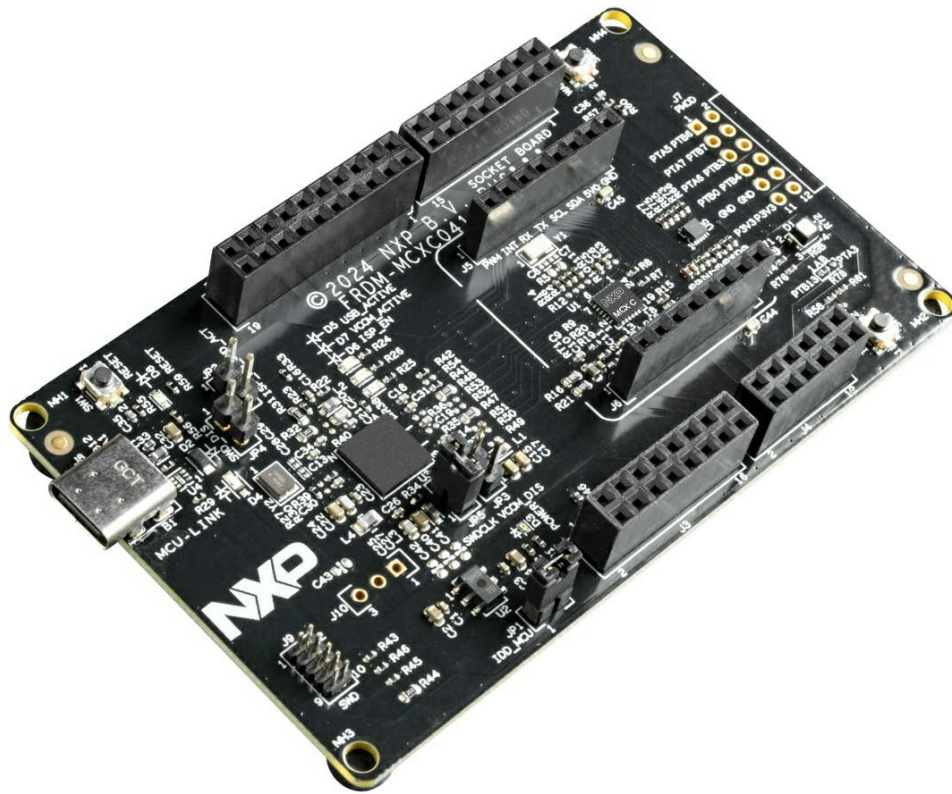
[Home](#) » [NXP](#) » NXP FRDM-MCXC041 Development Board User Guide 

## Contents

- [1 NXP FRDM-MCXC041 Development Board](#)
- [2 Specifications](#)
- [3 FAQs](#)
- [4 Get to know](#)
- [5 Quick Start Guide](#)
- [6 How to get started](#)
- [7 Documents / Resources](#)
  - [7.1 References](#)



**NXP FRDM-MCXC041 Development Board**



## Specifications

- **Product:** FRDM-MCXC041 Development Board
- **Manufacturer:** NXP
- **Features:** MCU-Link debugger, I/O access, Arduino headers, buttons, sensors, RGB LED, Pmod
- **Website:** [www.nxp.com/FRDM-MCXC041](http://www.nxp.com/FRDM-MCXC041)

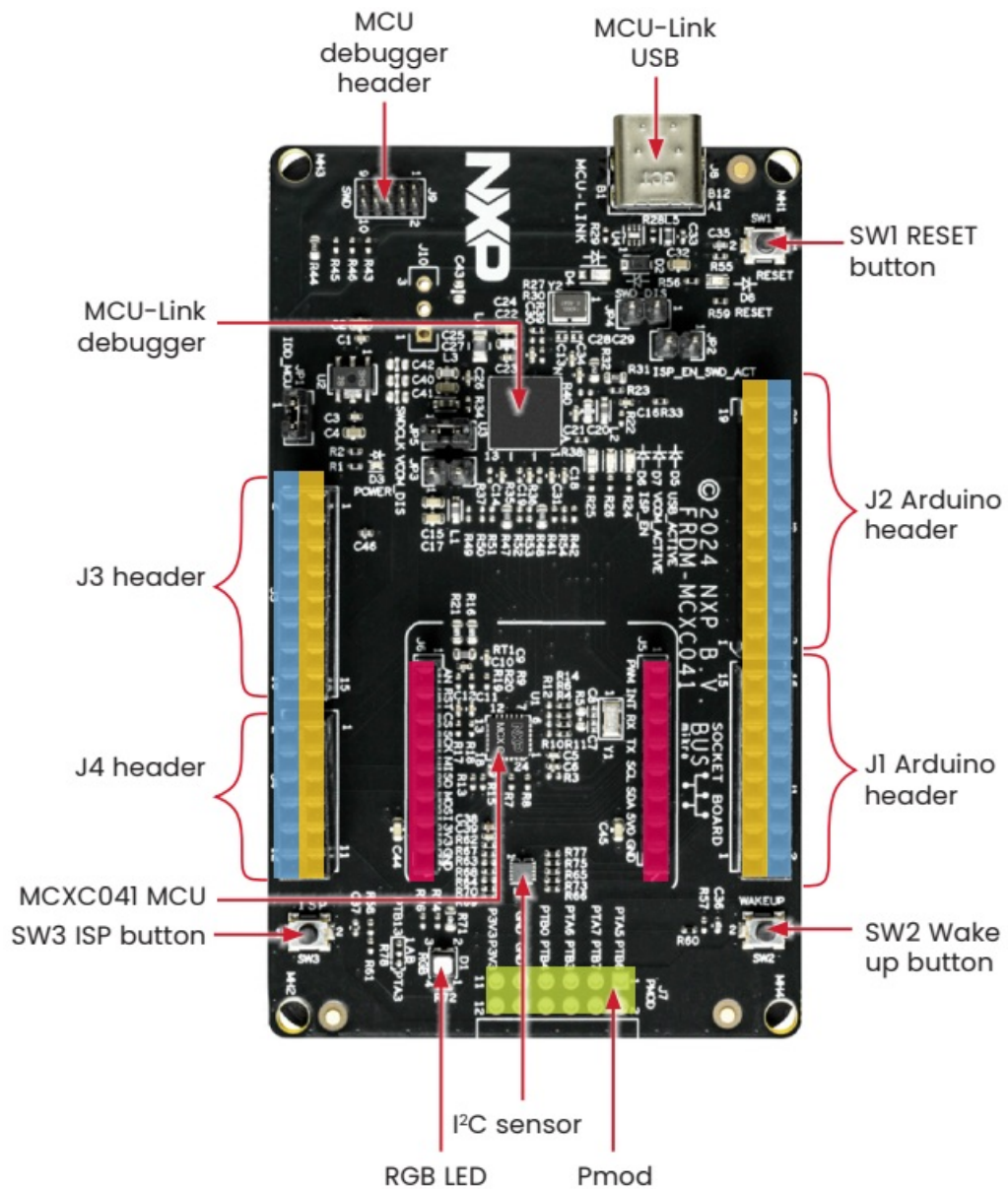
## FAQs

- **Q: Is the FRDM-MCXC041 development board compatible with Arduino shields?**
  - **A:** Yes, the board features Arduino headers that allow for compatibility with Arduino shields.
- **Q: How can I access the I/O pins for prototyping?**
  - **A:** The board provides easy I/O access for connecting expansion boards and for fast prototyping.
- **Q: What is the purpose of the RGB LED on the board?**
  - **A:** The RGB LED can be used for visual indicators or status notifications in your projects.

## Get to know

### Get to know the FRDM-MCXC041 development board

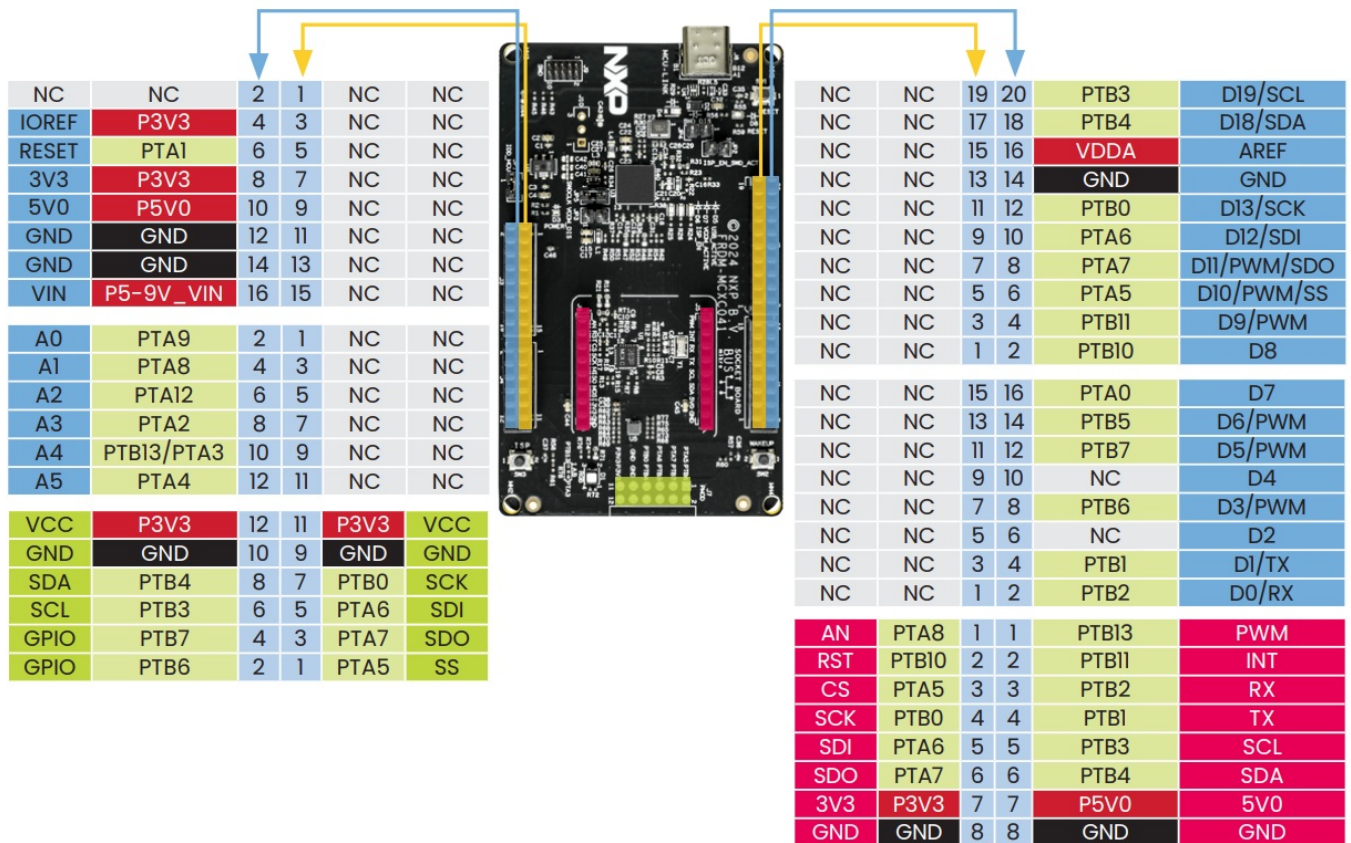
- NXP's MCUXpresso Developer Experience provides you with cost-effective MCU development boards.
- Easy I/O access supports expansion board use for fast prototyping and rapid evaluation.
- Enjoy your FRDM-MCXC041!



-  Arduino® Header
-  FRDM Header
-  mikroBUS™
-  Pmod™

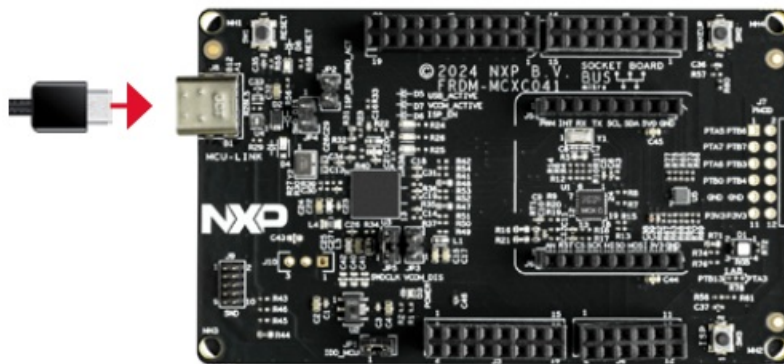
## Quick Start Guide

### Quick Start Guide FRDM-MCXC041



## How to get started

### Setup




1. Connect the FRDM-MCXC041 board to a PC using the USB Type-C® cable
2. The board comes preprogrammed with a blinky LED demo
3. Get started at [nxp.com/FRDM-MCXC041/start](https://nxp.com/FRDM-MCXC041/start) Software and expansion boards
4. Use different headers to connect sensors, Arduino shields and more
5. Access software and tools through our MCUXpresso Developer Experience [nxp.com/MCUXpresso](https://nxp.com/MCUXpresso)
  - Expansion Board Hub [mcuxpresso.nxp.com/eb-hub](https://mcuxpresso.nxp.com/eb-hub) to find add-on boards from NXP and our partners with related MCUXpresso SDK-compatible drivers and examples
  - Application Code Hub [mcuxpresso.nxp.com/appcodehub](https://mcuxpresso.nxp.com/appcodehub) to browse application code examples from our experts to help kick start your project




### Support

- Visit [www.nxp.com/support](http://www.nxp.com/support).
- [www.nxp.com/FRDM-MCXC041](http://www.nxp.com/FRDM-MCXC041)
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## Documents / Resources

 <p>FRDM-MCXC041 Development Board</p>	<p><a href="#">NXP FRDM-MCXC041 Development Board</a> [pdf] User Guide</p> <p>MCX, MCX C, FRDM-MCXC041 Development Board, FRDM-MCXC041, Development Board, Board</p>
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## References

-  [Application Code Hub](#)
-  [NXP Expansion Board Hub](#)
-  [Support | NXP Semiconductors](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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