

KIT_PSC3M5_CC2 PSOC™ Control C3M5 Motor Drive Control Card Evaluation Kit release notes

About this document

Scope and purpose

Thank you for your interest in the PSOC™ Control C3M5 Motor Drive Control Card Evaluation Kit. This document lists the kit contents, installation requirements, kit documentation, limitations, and known issues.

Intended audience

This document is intended for KIT_PSC3M5_CC2 PSOC™ Control C3M5 Motor Drive Control Card Evaluation Kit users. This board is intended to be used under laboratory conditions.

Table of contents

	About this document	1
	Table of contents	2
1	Release contents	3
1.1	Kit contents	3
2	Kit information	4
2.1	Software and tools	4
2.2	Code examples and collaterals	4
2.3	Installation	4
2.4	Kit revision	4
2.5	Limitations and known issues	4
2.6	Documentation	4
2.7	Technical support	5
2.8	Additional information	5
	Disclaimer	6

1 Release contents

1 Release contents

1.1 Kit contents

The KIT_PSC3M5_CC2 PSOC™ Control C3M5 Motor Drive Control Card Evaluation kit box includes the following components:

1. KIT_PSC3M5_CC2 Motor Control card
2. Drive adapter card
3. USB Type-A to USB Type-C cable
4. Quick start guide

2 Kit information

2 Kit information

For information related to the kit, see the [KIT_PSC3M5_CC2 PSOC™ Control C3M5 Motor Drive Control Card Evaluation Kit](#) webpage.

2.1 Software and tools

To utilize the code examples in this kit, ModusToolbox™ version 3.2 or later is required. This is available on the [ModusToolbox™ software webpage](#). For more details, see the kit user guide.

Install J-Link software version v7.96d or later, along with the USB driver for the selected J-Link device.

2.2 Code examples and collaterals

The kit [webpage](#) contains both the documents and hardware files. Additionally, the code examples are available in the [Infineon GitHub repository](#).

2.3 Installation

The kit guide, available on the webpage, provides all the necessary software installation instructions. For more information, see the [KIT_PSC3M5_CC2 PSOC™ Control C3M5 Motor Drive Control Card Evaluation Kit](#) webpage.

2.4 Kit revision

This is the initial revision (Rev. **) of the KIT_PSC3M5_CC2 PSOC™ Control C3M5 Motor Drive Control Card Evaluation Kit.

2.5 Limitations and known issues

The limitations and known issues in this revision (Rev **) of the KIT_PSC3M5_CC2 PSOC™ Control C3M5 Motor Drive Control Card Evaluation Kit are as follows:

1. After programming/flashing the control card MCU using the ModusToolbox™ Motor Suite GUI, the MCU needs to be reset by pressing the reset button (SW1)
2. The control card is configured to operate with 5 V analog reference and digital logic power boards. However, to ensure compatibility with 3.3 V analog reference and digital logic power boards, the following components must be removed:
 - **For motor 1:** R105, R117, R118, R119 R37 and R39
 - **For motor 2:** R123, R124, R125, R136, R34 and R36
 - **For PFC/motor 3:** R137, R138, R139 and R147
3. Note that the control card's SPI and I2C interfaces are only compatible with 3.3 V logic smart gate drive power boards

2.6 Documentation

The following documents are available on the kit [webpage](#):

- KIT_PSC3M5_CC2 PSOC™ Control C3M5 Motor Drive Control Card Evaluation Kit user guide
- KIT_PSC3M5_CC2 PSOC™ Control C3M5 Motor Drive Control Card Evaluation Kit quick start guide
- KIT_PSC3M5_CC2 PSOC™ Control C3M5 Motor Drive Control Card Evaluation Kit release notes

2 Kit information

2.7 Technical support

For assistance or product-related queries, contact [Infineon Support](#) or post your queries on the [Infineon Developer Community](#) platform.

2.8 Additional information

- For more information on the PSOC™ Control C3 MCU, including associated documentation, and software, see [PSOC™ Control C3](#) webpage
- To know more about the functionality and releases of ModusToolbox™, see the [ModusToolbox™ software](#) webpage
- For a list of trainings on ModusToolbox™, see [ModusToolbox™ software training](#)

Trademarks

All referenced product or service names and trademarks are the property of their respective owners.

Edition 2024-12-10

Published by

Infineon Technologies AG
81726 Munich, Germany

© 2024 Infineon Technologies AG
All Rights Reserved.

Do you have a question about any aspect of this document?

Email: erratum@infineon.com

Document reference
IFX-qet1720600832595

Important notice

The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics ("Beschaffenhheitsgarantie").

With respect to any examples, hints or any typical values stated herein and/or any information regarding the application of the product, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation warranties of non-infringement of intellectual property rights of any third party.

In addition, any information given in this document is subject to customer's compliance with its obligations stated in this document and any applicable legal requirements, norms and standards concerning customer's products and any use of the product of Infineon Technologies in customer's applications.

The data contained in this document is exclusively intended for technically trained staff. It is the responsibility of customer's technical departments to evaluate the suitability of the product for the intended application and the completeness of the product information given in this document with respect to such application.

Warnings

Due to technical requirements products may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies office.

Except as otherwise explicitly approved by Infineon Technologies in a written document signed by authorized representatives of Infineon Technologies, Infineon Technologies' products may not be used in any applications where a failure of the product or any consequences of the use thereof can reasonably be expected to result in personal injury.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Infineon:](#)

[KITPSC3M5CC2](#)