

***CDC7005 (QFN Package)
Evaluation Module Manual
High Performance Analog/CDC***

User's Guide

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Applying loads outside of the specified output range may result in unintended operation and/or possible permanent damage to the EVM. Please consult the EVM User's Guide prior to connecting any load to the EVM output. If there is uncertainty as to the load specification, please contact a TI field representative.

During normal operation, some circuit components may have case temperatures greater than 45°C. The EVM is designed to operate properly with certain components above 60°C as long as the input and output ranges are maintained. These components include but are not limited to linear regulators, switching transistors, pass transistors, and current sense resistors. These types of devices can be identified using the EVM schematic located in the EVM User's Guide. When placing measurement probes near these devices during operation, please be aware that these devices may be very warm to the touch.

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Read This First

About This Manual

This manual explains how to use the CDC7005 evaluation module and to provide the guidelines to build the customer's own systems. The manual includes schematics, layout, bill of materials, and a software description.

How to Use This Manual

This document contains the following chapters:

- Chapter 1—Introduction
- Chapter 2—Quick Start
- Chapter 3—EVM Hardware
- Chapter 4—Serial Peripheral Interface (SPI) Software
- Chapter 5—Schematics, Board Layout, and Parts List

Related Documentation From Texas Instruments

- CDC7005 Data Sheet, SCAS685, Texas Instruments

FCC Warning

This equipment is intended for use in a laboratory test environment only. It generates, uses, and can radiate radio frequency energy and has not been tested for compliance with the limits of computing devices pursuant to subpart J of part 15 of FCC rules, which are designed to provide reasonable protection against radio frequency interference. Operation of this equipment in other environments may cause interference with radio communications, in which case the user at his own expense will be required to take whatever measures may be required to correct this interference.

If You Need Assistance. . .

If you need assistance with this device, please email
`clocks_apps@list.ti.com`

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