

C2000™ Safety Package for Automotive and Industrial Real-Time Microcontrollers



ABSTRACT

Thank you for your interest in C2000™ Safety collateral.

The following information for C2000 Safety MCUs is available publicly:

- C2000 Generation 2 MCUs
TMS320F2833x, TMS320F2823x, TMS320F2806x, TMS320F2805x, TMS320F2803x, and TMS320F2802x
 - [C2000 Safety 60730 Software Packages](#)
 - Functional Safety Manual for C2000 Safety QM MCUs: [Safety Manual for C2000™ MCUs in IEC60730 Safety Applications User's Guide](#)
- C2000 Generation 3 MCUs
 - C2000 Diagnostic Software Library for TMS320F2837xD, TMS320F2837xS, and TMS320F2807x: [C2000 Diagnostic Software Library](#)
 - C2000 Diagnostic Software Library for TMS320F2838x, TMS320F28002x, TMS320F28003x, TMS320F280015x, and TMS320F28004x: [C2000Ware](#)
 - [Functional Safety Manual for TMS320F2837xD, TMS320F2837xS and TMS320F2807x](#)
 - [Functional Safety Manual for TMS320F2838x Real-Time Microcontrollers](#)
 - [Safety Manual for TMS320F28002x](#)
 - [Functional Safety Manual for TMS320F28003x Real-Time Microcontrollers](#)
 - [Functional Safety Manual for TMS320F280015x](#)
 - [Functional Safety Manual for TMS320F28004x](#)

Follow this process to access non-public safety information such as; Self-Test Library, Failure Modes, Effects, and Diagnostics Analysis (FMEDA), including tools for estimating module and device-level failure rates (FIT), calculating ISO 26262 and IEC 61508 safety metrics, and training:

1. Contact your local TI Sales Person to request access to the:
 - a. C2000 Safety Package for QM MCUs
 - b. C2000 Safety Package for Automotive and Industrial MCUs
 - c. Additional Functional Safety Self-Test Libraries, CLA_STL and C28x_STL, for applicable devices
2. If approved, they will provide you with a request URL:
 - a. Log-in with your my.ti.com user ID and password and fill-out the form.
 - b. If accepted, you will receive an email with download instructions.
3. All questions related to the C2000 Safety collateral can be posted on the [C2000 E2E forum](#).

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