
[Upgrade to Revision]

Functional Safety Self Test Software for Capacitive Touch Sensors CTSU Module, QE for Capacitive Touch

Outline

The functionality of the CTSU2 Functional Safety Self Test Software has been improved with the upgrade of the CTSU module and QE for Capacitive Touch.

Updating the following products is required to use this function.

For details on this function, refer to the application note below.

- Capacitive Touch Sensor Microcontrollers Overview of CTSU Functional Safety Self Test

<https://www.renesas.com/en/document/apn/capacitive-touch-sensor-microcontrollers-overview-ctsu-functional-safety-self-test>

Products to Be Updated

- RA Family RA Flexible Software Package (FSP) CTSU Module v6.5.0
- RX Family CTSU QE Module Firmware Integration Technology Rev.3.30
- RL78 Family CTSU Software Integration System Rev.2.30
- Development Assistance Tool for Capacitive Touch Sensors: QE for Capacitive Touch V4.3.0

1. Description

The changes are as follows.

1.1 Improved Functionality

- Support for arbitrary power supply voltage in diagnosis
- Optimization of execution timing for diagnostic tests
- Enhancement of the diagnostic tests

2. Updating the Product

Download and update the target products from the URL below.

- RA FSP

<https://github.com/renesas/fsp/releases>

- RX Family QE CTSU Module

<https://www.renesas.com/en/document/scd/rx-family-qe-cts-module-using-firmware-integration-technology-sample-code>

- RL78 Family CTSU Module

<https://www.renesas.com/en/document/scd/rl78-family-cts-module-software-integration-system-sample-code>

- QE for Capacitive Touch

<https://www.renesas.com/qe-capacitive-touch>

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jun.05.26	-	First edition issued

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