
[Notes] Solution Toolkit
QE for Capacitive Touch
Development Assistance Tool for Capacitive Touch Sensors

R20TS1059EJ0100
Rev.1.00
Aug. 05, 2024

Outline

When using the products in the title, note the following points.

1. Note on using CapTouch Parameters (QE) view.

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1.1 Applicable Products

Development Assistance Tool for Capacitive Touch Sensor

QE for Capacitive Touch V3.5.0 or earlier

1.2 Applicable Devices

- RX Family:
RX113, RX130, RX140, RX230, RX231, RX23W, RX671
- RA Family:
RA2A1, RA2E1, RA2L1, RA4M1, RA4M2, RA4M3, RA4W1, RA6M1, RA6M2, RA6M3, RA6M4, RA6M5
- RL78 Family:
RL78/G16, RL78/G22, RL78/G23
- Renesas Synergy:
S124, S128, S1JA, S3A1, S3A3, S3A6, S3A7, S5D3, S5D5, S5D9, S7G2

1.3 Details

In the CapTouch Parameters (QE) view, the behavior when setting "Positive Noise Filter Cycle" and "Negative Noise Filter Cycle" to 1 differs from the description in the active help. When set to 1, the behavior is as follows.

- Positive Noise Filter Cycle
 - Description in the active help:
It is judged as touch ON when the measurement value exceeds [Touch Threshold].
 - Actual behavior:
It is judged as touch ON when 1 cycle has elapsed after the measurement value exceeds [Touch Threshold].
- Negative Noise Filter Cycle
 - Description in the active help:
It is judged as touch OFF when the measurement value falls below [Touch Threshold].
 - Actual behavior:
It is judged as touch OFF when 1 cycle has elapsed after the measurement value falls below [Touch Threshold].

1.4 Conditions

This occurs when "Positive Noise Filter Cycle" and "Negative Noise Filter Cycle" are set to 1 in the CapTouch Parameters (QE) View.

1.5 Workaround

There is no workaround. Please contact us.

<https://www.renesas.com/contact/>

1.6 Schedule for Fixing the Problem

This problem will be fixed in the next version. (Scheduled to be released in Sep, 2024.)

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Aug.05.24	-	First edition issued

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Corporate Headquarters

TOYOSU FORESIA, 3-2-24 Toyosu,
Koto-ku, Tokyo 135-0061, Japan

www.renesas.com

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