[Notes]

RX Family

LVD Module Firmware Integration Technology

RX Driver Package

R20TS0974ES0100
Rev.1.00
Nov. 01. 2023

Outline

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

1. When using the LVD module in RX Family RX Driver Package Ver.1.40 or Ver.1.41, abnormal behavior in the Smart Configurator would happen when setting the “Voltage detection level” for RX23E-B.

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1.1 Applicable Products

1) RX Driver Package

The product names and revision numbers of the applicable RX Driver Package and the revision numbers of the LVD FIT module are as follows:

Table 1.1 LVD FIT module applicable products

RX Driver Package product name	RX Driver Package revision number	Document number	Revision number of the included LVD FIT module
RX Family RX Driver Package Ver.1.41	Rev.1.41	R01AN6907xx0141	Rev.4.50
RX Family RX Driver Package Ver.1.40	Rev.1.40	R01AN6906xx0140	Rev.4.50

1.2 Applicable Devices

RX23E-B Group.

1.3 Details

Setting “Voltage detection level for channel 1” and “Voltage detection level for channel 2” in Smart Configurator for RX23E-B would result in error

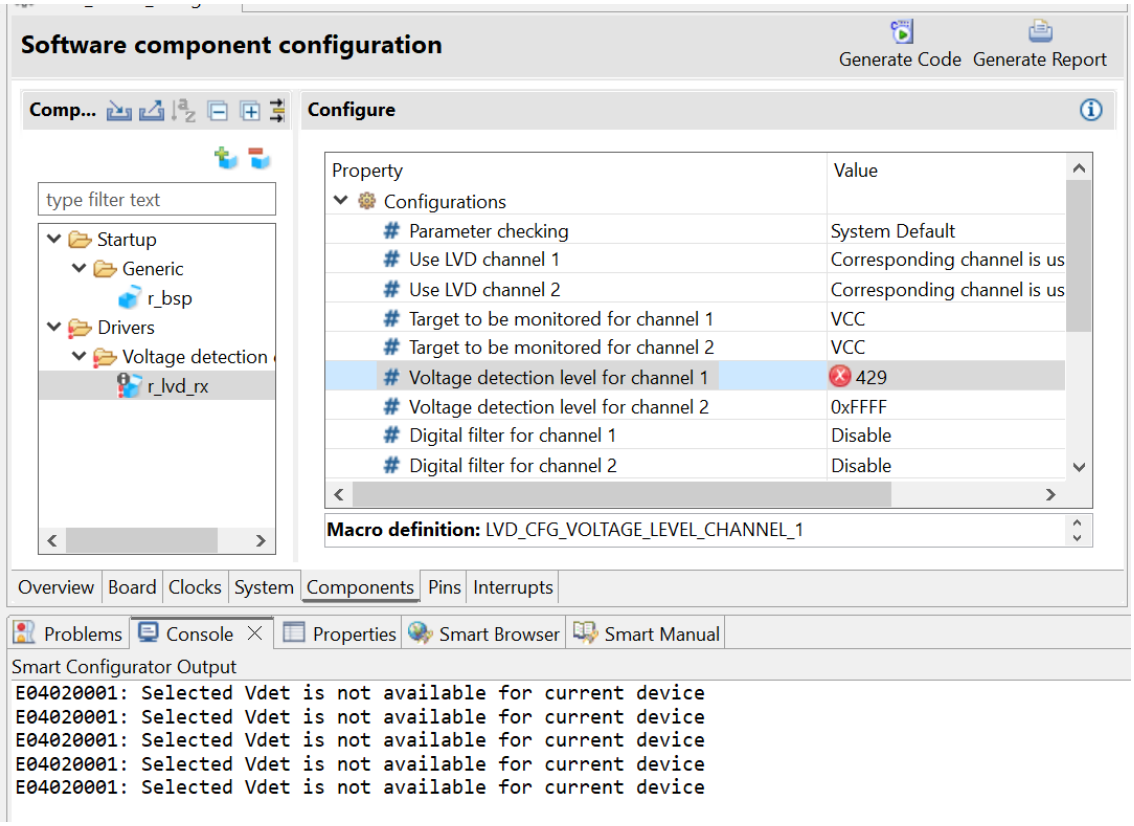
In LVD mdf file (r_lvd_rx_v4.50_extend.mdf), the “Voltage detection level” constraints for RX23E-B are missing. Therefore, when using Smart Configurator to set “Voltage detection level” either channel 1 or channel 2 for RX23E-B, the error “Selected Vdet is not available for current device” would occur

```
// r_lvd_rx_v4.50_extend.mdf
…
<constraint display="Selected Vdet is not available for current device">…
…
// the “voltage detection level” constraints for RX23E-B are missing.
```

1.4 Conditions

- When using Smart Configurator to set “Voltage detection level” (except default value) for RX23E-B.

Below is sample which illustrates the conditions under which the error would happen:



1.5 Workaround

User should upgrade to LVD FIT Rev.4.60 once it is available.

1.6 Schedule for Fixing the Problem

This problem will be fixed in LVD FIT Rev.4.60

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Nov.01.23	-	First edition issued

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Trademarks

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TS Colophon 4.3