

RENESAS TOOL NEWS on May 16, 2014: 140516/tn17

## Self RAM list of Flash Self-Programming Library for RL78 Family Ver.1.00 Published

We have published the Self RAM list of Flash Self-Programming Library for RL78 family Ver.1.00.

This list includes the information regarding the libraries for reprogramming the code flash and data flash areas of the MCU's internal flash memory.

For details, go to:

[https://www.renesas.com/flash\\_libraries/self\\_ram](https://www.renesas.com/flash_libraries/self_ram)

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### 1. Description

In the Flash Libraries for the RL78 family, the disabled self RAM areas vary with the MCU group of the RL78 family and the library used.

The list of this information appeared on the web page at:

Self RAM list of Flash Self-Programming Library for RL78 Family

<https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ut2944>

On the list are the self RAM areas used for the libraries for the code flash and data flash memories.

For the latest information, refer to the above list from now on.

The self RAM areas used in common for all flash libraries may be shown in the User's Manual (Hardware) for some RL78 MCUs or the User's Manual for some flash libraries for the RL78 family. However, make sure of the information that may have been updated in the above list.

### 2. Flash Libraries Concerned and Target Regions

The Flash Library comes in two different versions: a European Release version and a Japan Release version.

The target regions where each version is supported differ; use the products that are supported in your area.

## 2.1 European Release Version

Target Regions:

The Americas, Europe, the Middle East and Africa

Flash Libraries Concerned:

- (1) Flash Self-programming Library Type T01, European Release  
(The .zip file whose name begins with "RENESAS\_FSL\_RL78\_T01E\_")
- (2) Data Flash Access Library Type T04 (Pico), European Release  
(The .zip file whose name begins with "RENESAS\_FDL\_RL78\_T04E\_")
- (3) Data Flash Access Library FDL-T01 RL78 Series,  
European Release  
(The .zip file whose name begins with "RENESAS\_FDL\_RL78\_T01E\_")
- (4) Data Flash Access Library Type T02 (Tiny),  
European Release  
(The .zip file whose name begins with "RENESAS\_FDL\_RL78\_T02E\_")
- (5) EEPROM Emulation Library EEL-T01 RL78 Series,  
European Release  
(The .zip file whose name begins with "RENESAS\_EEL\_RL78\_T01E\_")
- (6) EEPROM Emulation Library Type T02 (Tiny),  
European Release  
(The .zip file whose name begins with "RENESAS\_EEL\_RL78\_T02E\_")

The above products are downloadable from the following URLs:

- For Flash Self Programming Library:

[http://www.renesas.eu/fsl\\_rl78](http://www.renesas.eu/fsl_rl78)

- For Data Flash Libraries and EEPROM Emulation Libraries:

[http://www.renesas.eu/eel\\_rl78](http://www.renesas.eu/eel_rl78)

## 2.2 Japan Release Version

Target Regions:

Japan, Asia and Oceania

Flash Libraries Concerned:

- (1) Flash Self Programming Library Type01 for the RL78 Family,  
Japanese Release
- (2) Data Flash Library Type04 for the RL78 Family,  
Japanese Release
- (3) EEPROM Emulation Library Pack01 for the RL78 Family,  
Japanese Release
- (4) EEPROM Emulation Library Pack02 for the RL78 Family,  
Japanese Release

The above products are downloadable from:

[http://www.renesas.com/flash\\_libraries\\_download](http://www.renesas.com/flash_libraries_download)

### **3. Supported MCUs**

#### **3.1 European Release Version**

- For Flash Self Programming Library:

See the README file (the .txt file) that is listed

in the "Software Packages available" list at the following URL:

[http://www.renesas.eu/fsl\\_r178](http://www.renesas.eu/fsl_r178)

- For Data Flash Libraries and EEPROM Emulation Libraries:

See the README file (any of the .txt files) that is listed

in the "Software Packages available" list at the following URL:

[http://www.renesas.eu/eel\\_r178](http://www.renesas.eu/eel_r178)

#### **3.2 Japan Release Version**

See the file "Self Programming Library (Japanese Release) and Supported MCUs" on this page.

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#### **[Disclaimer]**

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