

# RZ/A3M Group

Evaluation Kit for RZ/A3M Microprocessor Group  
EK-RZ/A3M v1  
Errata

Renesas RZ Family  
RZ/A Series

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## Precautions

This Evaluation Kit is only intended for use in a laboratory environment under ambient temperature and humidity conditions. A safe separation distance should be used between this and any sensitive equipment. Its use outside the laboratory, classroom, study area, or similar such area invalidates conformity with the protection requirements of the Electromagnetic Compatibility Directive and could lead to prosecution.

The product generates, uses, and can radiate radio frequency energy and may cause harmful interference to radio communications. There is no guarantee that interference will not occur in a particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off or on, you are encouraged to try to correct the interference by one or more of the following measures:

- Ensure attached cables do not lie across the equipment.
- Reorient the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected.
- Power down the equipment when not in use.
- Consult the dealer or an experienced radio/TV technician for help.

Note: It is recommended that wherever possible shielded interface cables are used.

The product is potentially susceptible to certain EMC phenomena. To mitigate against them it is recommended that the following measures be undertaken:

- The user is advised that mobile phones should not be used within 10 m of the product when in use.
- The user is advised to take ESD precautions when handling the equipment.

The Evaluation Kit does not represent an ideal reference design for an end product and does not fulfill the regulatory standards for an end product.

## Renesas RZ Family

**EK-RZ/A3M**

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## 1. Introduction

This erratum describes the known issues and exceptions to the functional specifications for the EK-RZ/A3M . For additional information on the board, see the EK-RZ/A3M user's manual.

## 2. Known Issues and Exceptions

### 2.1 Default Board Behavior

#### 2.1.1 Description

On power up the pre-programmed Quick Start Example Code behaves differently to that described in the Quick Start Guide.

#### 2.1.2 Corrective Action

An updated version of the demo program can be downloaded from our website.

#### 2.1.3 Kits Affected

Version	: 1				
Serial number	295121	295165	295195	295258	295289
	295132	295168	295200	295260	295290
	295136	295170	295203	295265	295293
	295141	295172	295205	295266	295301
	295144	295174	295211	295267	295305
	295157	295176	295212	295268	295309
	295159	295179	295230	295277	295310
	295160	295181	295243	295286	295311
	295163	295182	295246	295287	295314
	295164	295186	295256	295288	295316

## 2.2 Debug Virtual Comm Port Error

### 2.2.1 Description

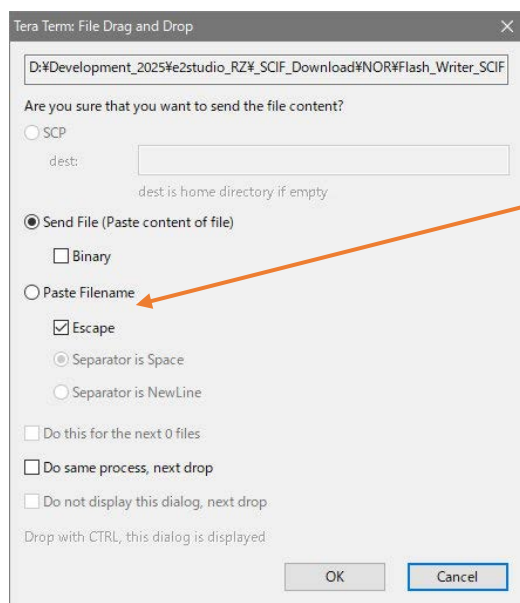
When using the Debugger Virtual Comm Port for SCIF download programming, binary transfers may fail with the following error.

```
Invalid Character □ SCIF Download mode due to error
-- Load Program to System RAM -----
please send !
Invalid Character Error!!!
```

### 2.2.2 Corrective Action

#### 2.2.2.1 ASCII transfer mode

Using ASCII transfer mode instead of a binary transfer avoids the error.



If you don't check this option, the error doesn't occur.

### 2.2.2.2 Alternative Serial Terminal Programs

This issue may be related to the use of TeraTerm. Other serial terminal programs, such as HTerm, may differ in their transfer protocol and do not appear to fail.

### 2.2.2.3 Segger J-Link FW Update

Future updates to the Segger J-Link firmware may address this problem.

1. When e2 studio is launched it checks if a new version of the FW is available and updates it.
2. If you run Segger J-Link commander, it will check the FW version and update if needed.

### 2.2.3 Kits Affected

Version : 1  
Serial number : 295121 to 295320

## 3. Appendix – Kit Identification

### 3.1 Serial Number

The kit serial number is used to uniquely identify a kit.

The serial number is located on the bar code sticker on the back/bottom side of EK-RZ/A3M board. In the example in Figure 1 the serial number is “291685”

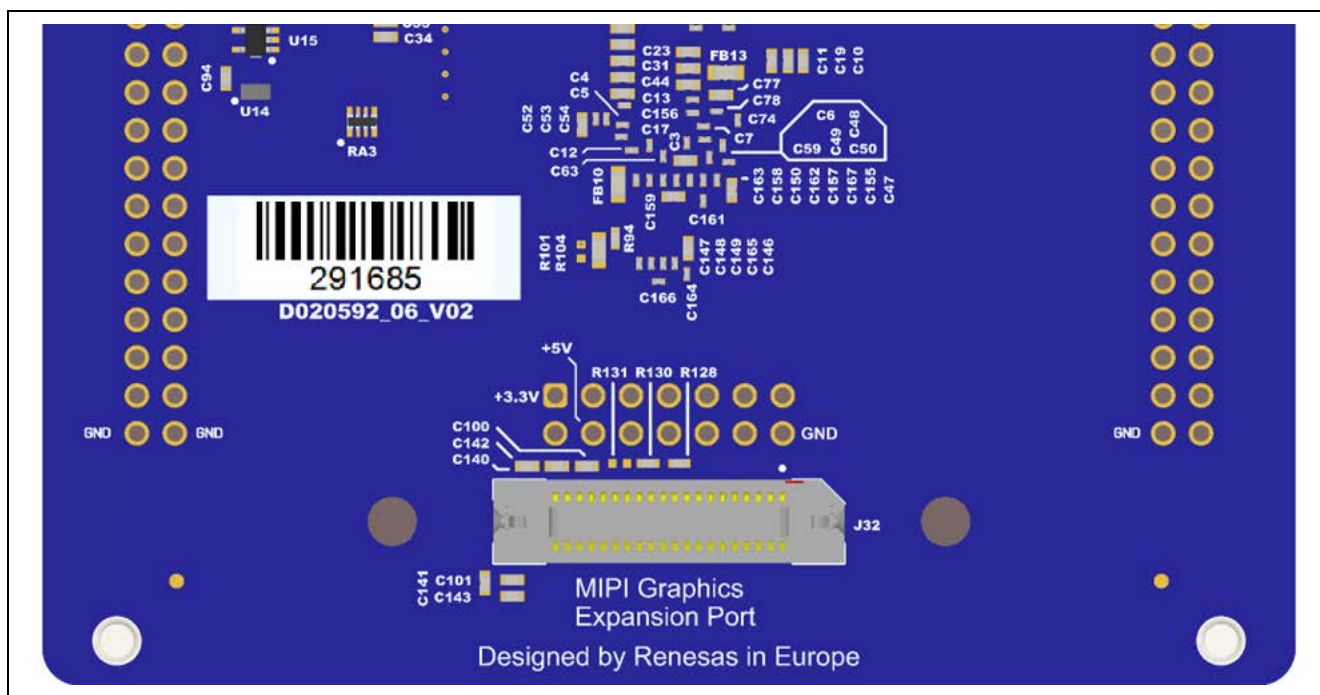


Figure 1. Identification of the Serial Number on the EK-RZ/A3M Board

**Revision History**

Rev.	Date	Description	
		Page	Summary
1.00	Apr.28.25	—	Initial release



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