

RTE7701407CBF272T000R

R20UT3493EJ0110

Rev. 1.10

Jul. 20, 2017

Exchange Adapter for Connecting RH850/D1x Series in 272-pin 1.0-mm-pitch BGA

1. Outline

The RTE7701407CBF272T000R is an exchange adapter (EA) for connecting the RTE7701427EPA00000R emulator pod for the RH850/D1x (subsequently referred to as the pod) to pad patterns for a 272-pin 1.0-mm-pitch BGA (PRBG0272FA-A).

2. Package Components

Check to see if the RTE7701407CBF272T000R package has all the following contents with reference to Contents of the Package included in the package after purchasing this product.

- (1) RTE7701407CBF272T000R exchange adapter 1 pc.
- (2) Table of Toxic and Hazardous Substance and Elements 1 sh.

3. Specifications

Table 1 Specifications

Applicable package	PRBG0272FA-A (272-pin 1.0-mm-pitch BGA)
Insertion/removal iterations of connector	100 times guaranteed

4. Usage (See Figure 2)

The RTE7701407CBF272T000R can be used for debugging and on-board evaluation in common by mounting the TC on the target system.

(1) For debugging

Mount the TC on the pad pattern for the MCU on the target system board. In addition, connect the RTE7701407CBF272T000R to the pod, and then attach the RTE7701407CBF272T000R above the TC. The height of the socket is adjustable by inserting the SA between the TC and the RTE7701407CBF272T000R if this is desired. Before using the SA, be sure to read the precautions on page 3.

(2) For on-board evaluation

The TC on the user system is used to attach the MA after it has been fitted with an MCU that has flash ROM or a one-time PROM.

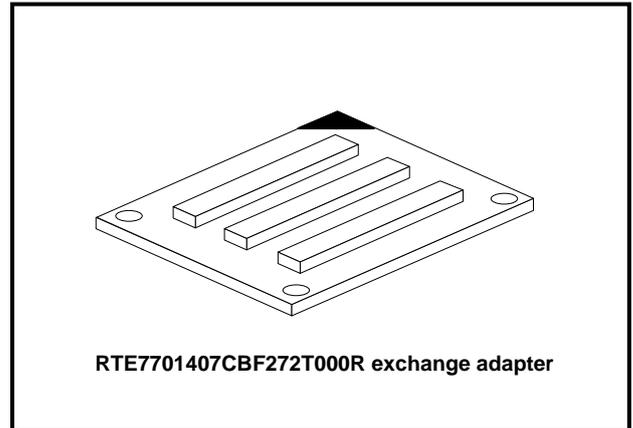


Figure 1 External View of the RTE7701407CBF272T000R

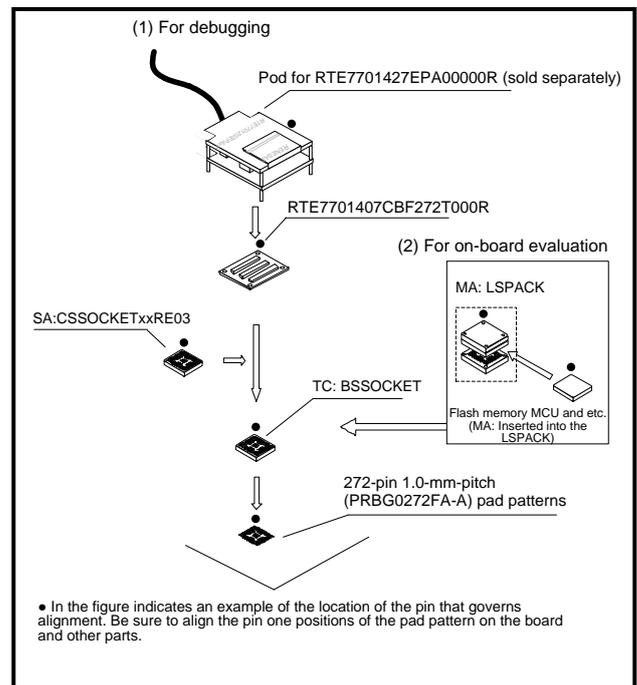


Figure 2 Usage of the RTE7701407CBF272T000R

SA: Space adapter (sold separately, product of Tokyo Eletech Corporation)

Model Name: CSSOCKET272Z2021RE03

TC: Target connector (sold separately, product of Tokyo Eletech Corporation)

Model name: BSSOCKET272Z2021RE21N

MA: Mounting adapter (sold separately, product of Tokyo Eletech Corporation)

Model name: LSPACK272Z2021RE11 or LSPACK272Z2021RE12

Note: Contact Tokyo Eletech Corporation and select the adapter to use according to how you will be placing components on the target system.

5. Connection Procedure (See Figure 3)

The procedure for connecting the RTE7701407CBF272T000R is shown below.

- (1) Mount the TC on the user system.
- (2) Attach the RTE7701407CBF272T000R to the pod.
- (3) Attach the RTE7701407CBF272T000R to the TC.

Confirm that there are neither cracks nor bends on the contact pins of the RTE7701407CBF272T000R at the time it is attached.

- Adjusting the height of the socket
 The height of the socket is adjustable by inserting an SA between the TC and the RTE7701407CBF272T000R.
 For more information on the SA, contact Tokyo Eletech Corporation.

SA: Space adapter (sold separately, product of Tokyo Eletech Corporation)
 Model Name: CSSOCKET272Z2021RE03

TC: Target connector (sold separately, product of Tokyo Eletech Corporation)
 Model name: BSSOCKET272Z2021RE21N

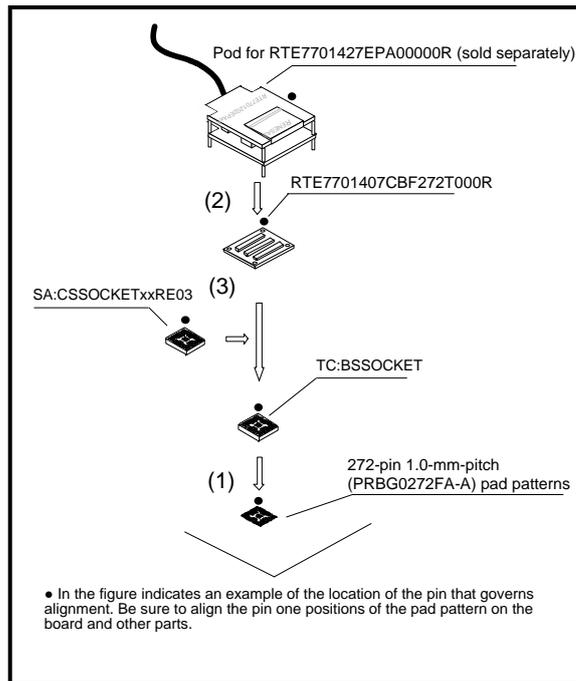


Figure 3 Procedure for Connecting the RTE7701407CBF272T000R

6. Drawing of the Socket Assembly, Drawing with Dimensions, and Pad Pattern for Reference

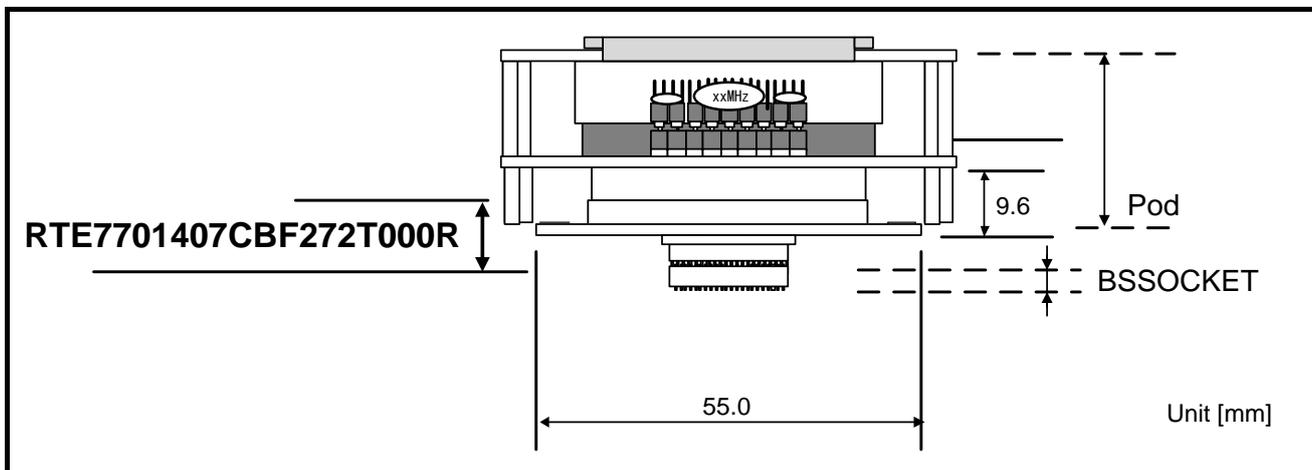


Figure 4 Drawing of the Socket Assembly

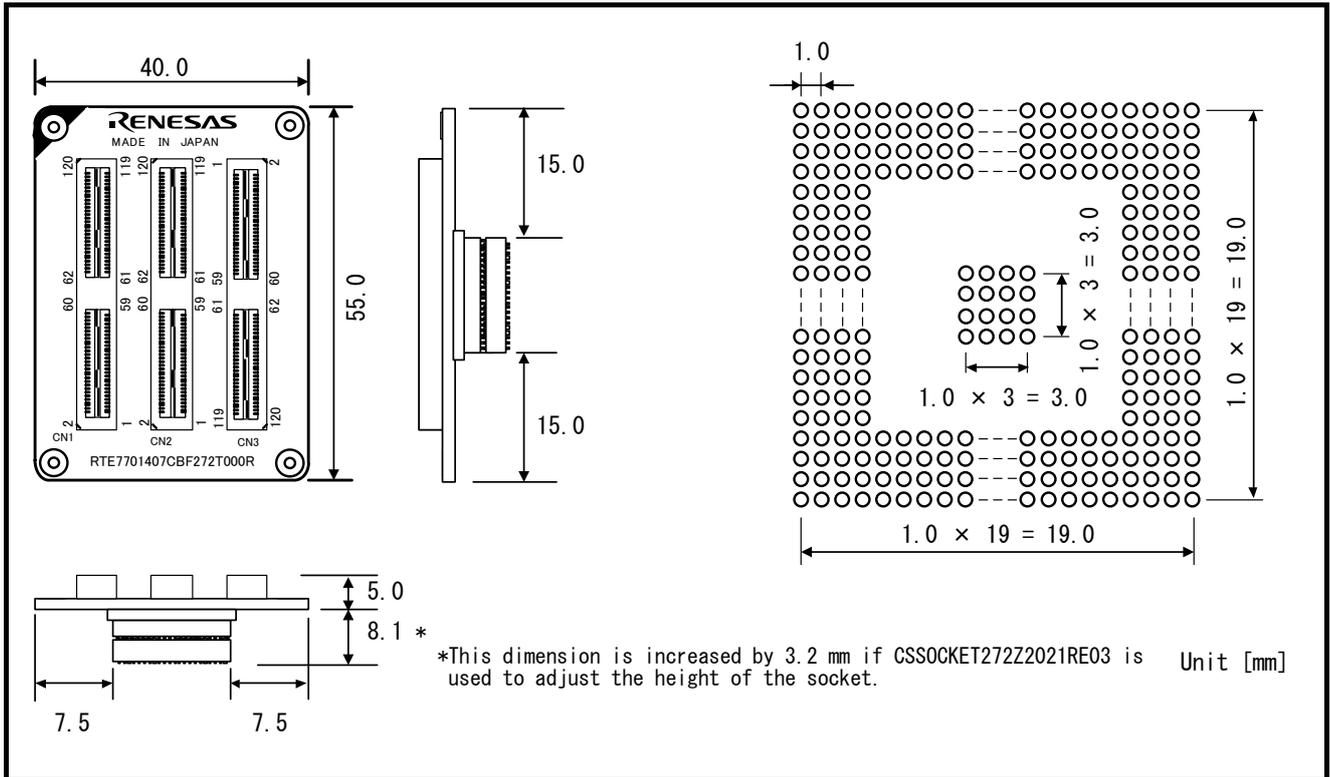


Figure 5 Drawing with Dimensions and a Pad Pattern for Reference

7. Precautions and WEEE Directive



CAUTION

If the requirements shown in the "CAUTION" sentences are ignored, the equipment may cause personal injury or damage to the products.

⚠ CAUTION

Cautions to be Taken for This Product:



- Inquiries regarding the combination of CSSOCKET272Z2021RE03 used for adjusting the height of the assembly, please send an email to the address below.

Tokyo Eletech Corporation http://www.tetc.co.jp/e_index.htm

IMPORTANT

Note on This Product:

- This product is not repairable.
- Inquiries regarding the purchase of BSSOCKET272Z2021RE21N, CSSOCKET272Z2021RE03, LSPACK272Z2021RE11, and LSPACK272Z2021RE12, please send an email to the address below.

Tokyo Eletech Corporation http://www.tetc.co.jp/e_index.htm

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