

RTE7701202CBG252T000J

Exchange Adapter for Connecting RH850/E1x Series in 252-pin 0.8-mm-pitch BGA

R20UT3037EJ0100 Rev. 1.00 Sep. 05, 2014

1. Outline

The RTE7701202CBG252T000J is an exchange adapter (EA) for connecting the RTE7701202EPA00000J emulator pod for the RH850/E1x (subsequently referred to as the pod) to pad patterns for a 252-pin 0.8-mm-pitch BGA (PRBG0252GB-A).

2. Package Components

Check to see if the RTE7701202CBG252T000J package has all the following contents with reference to Contents of the Package included in the package after purchasing this product.

- (1) RTE7701202CBG252T000J exchange adapter 1 pc
- (2) Table of Toxic and Hazardous Substance and Elements 1 sh.

3. Specifications

Table 1 Specifications

Applicable package	PRBG0252GB-A
	(252-pin 0.8-mm-pitch BGA)
Insertion/removal	100 times guaranteed
iterations of connector	

4. Usage (See Figure 2)

The RTE7701202CBG252T000J 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 RTE7701202CBG252T000J to the pod, and then attach the RTE7701202CBG252T000J above the TC. The height of the socket is adjustable by inserting the SA1 or SA2 between the TC and RTE7701202CBG252T000J if this is desired.

(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. Before using the RTE7701202CBG252T000J, be sure to read the precautions on page 3.

SA1: Space adapter (sold separately, product of Tokyo Eletech Corporation)

Model Name: CSSOCKET252A2017RE03

SA2: Space adapter (sold separately, product of Tokyo Eletech Corporation)

Model Name: CSSOCKET252A2017RE04

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

Model name: BSSOCKET252A2017RE21N

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

Model name: LSPACK252A2017RE01

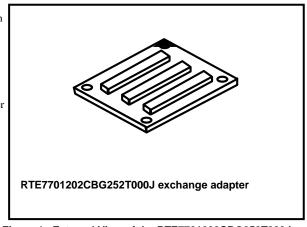


Figure 1 External View of the RTE7701202CBG252T000J

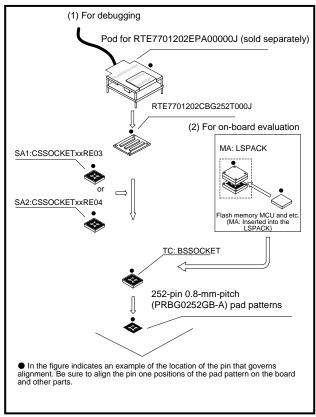


Figure 2 Usage of the RTE7701202CBG252T000J

^{*} BSSOCKET, CSSOCKET, and LSPACK are the trademarks of Tokyo Eletech Corporation.

5. Connection Procedure (See Figure 3)

The procedure for connecting the RTE7701202CBG252T000J is shown below.

- (1) Mount the TC on the user system.
- (2) Attach the RTE7701202CBG252T000J to the pod.
- (3) Attach the RTE7701202CBG252T000J to the TC.

Confirm that there are neither cracks nor bends on the contact pins of the RTE7701202CBG252T000J at the time it is attached.

Adjusting the height of the socket
 The height of the socket is adjustable by inserting an SA1 or SA2 between
 the TC and the RTE7701202CBG252T000J.

 For more information on the SA1 and SA2, contact Tokyo Eletech
 Corporation.

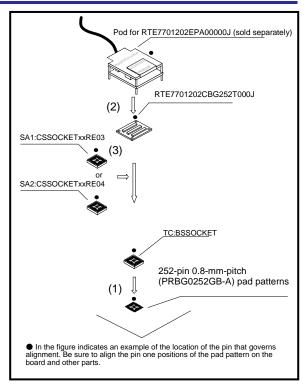


Figure 3 Procedure for Connecting the RTE7701202CBG252T000J

SA1: Space adapter (sold separately, product of Tokyo Eletech Corporation)

Model Name: CSSOCKET252A2017RE03

SA2: Space adapter (sold separately, product of Tokyo Eletech Corporation)

Model Name: CSSOCKET252A2017RE04

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

Model name: BSSOCKET252A2017RE21N

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

Model name: LSPACK252A2017RE01

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

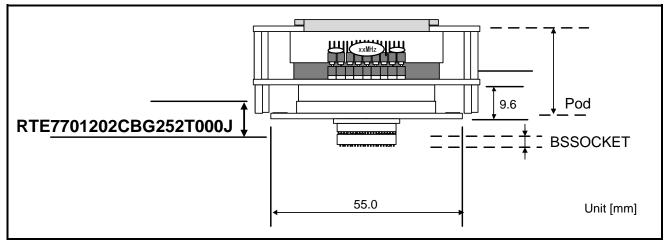


Figure 4 Drawing of the Socket Assembly

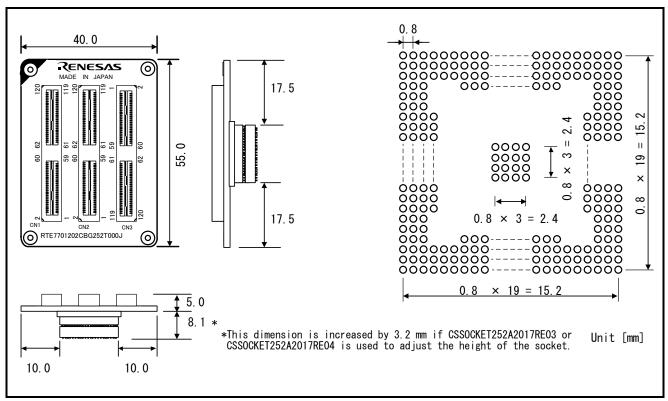


Figure 5 Drawing with Dimensions and a Pad Pattern for Reference

7. Precautions and WEEE Directive

A CAUTION

Cautions to be Taken for This Product:



• Inquiries regarding the combination of CSSOCKET252A2017RE03 and CSSOCKET252A2017RE04 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 reparable.
- Inquiries regarding the purchase of BSSOCKET252A2017RE21N, CSSOCKET252A2017RE03, CSSOCKET252A2017RE04, and LSPACK252A2017RE01, please send an email to the address below.

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