R0E000010CKZ11

Small Connector Conversion Adapter for the E1 Emulator

R20UT0162EJ0200
Rev.2.00
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1. Outline

The R0E000010CKZ11 adapter is used to connect the 14-pin 2.54-mm pitch connector on the head of the E1 specific user-system interface cable to 14-pin 1.27-mm pitch connectors.

Using this conversion adapter can reduce the area taken up by the connector mounted on your system.

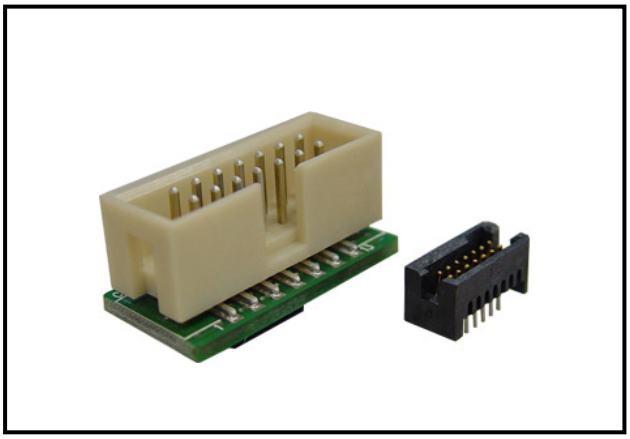


Figure 1 External View of the R0E000010CKZ11

2. Package Components

Before using this product, confirm that the R0E000010CKZ11 package contains the following items.

Table 1 Package Components

	Item	Qty.
(1)	R0E000010CKZ11	1
(2)	Connector to be mounted on the user system TFM-107-01-L-D (through-hole type)	1
(3)	R0E000010CKZ11 User's Manual (this document)	1
(4)	R0E000010CKZ11 User's Manual (Japanese)	1

3. Specifications

Table 2 Specifications

Item	Description
Upper connector (CN1)	HTST-107-01-T-DV (manufactured by Samtec, Inc.)
	Guaranteed number of times for insertion and removal: 50
Lower connector (CN2)	SFM-107-02-L-D-A (manufactured by Samtec, Inc.)
	Guaranteed number of times for insertion and removal: 50

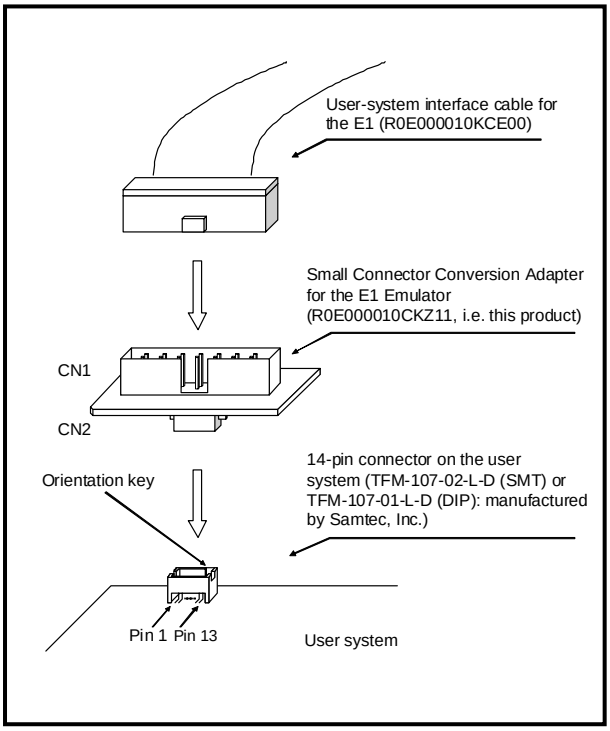


Figure 2 Usage of the R0E000010CKZ11

4. Usage (See Figure 2)

The R0E000010CKZ11 is connected between the 14-pin connector (2.54-mm pitch) on the head of the user-system interface cable (for the E1) and a 14-pin connector (1.27-mm pitch) on the user system as shown in Figure 2.

5. Usage Notes

This adapter provides different pin assignment from that of the standard interface connector for the E1 emulator.

Table 3 on the next page shows pin correspondence between CN1 (standard connector for the E1) and CN2 (small connector). **Take this pin assignment into account when designing your own board.**

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6. To Contact Us

IMPORTANT

Notes on This Product:

- We cannot accept any request for repair.
- For inquiries about the product or the contents of this manual, contact your local distributor.
  http://www.renesas.com/inquiry

7. Correspondence between Pins of CN1 and CN2

Table 3 Correspondence between Pins

CN1 Pin No.	CN2 Pin No.
1	4
2	1, 14
3	8
4	11
5	10
6	12
7	2
8	3
9	13
10	7
11	9
12	1, 14
13	5
14	6

8. Preparations

Figure 3 shows the limit on the heights of components mounted around the connector on the user system (the connector for the adapter). Take this limit into account when designing your own system.

CAUTION

An upper limit (5 mm) applies to the heights of components mounted around the connector on the user system.
This limit is only applicable with the following types of connector.
Type number : TFM-107-02-L-D (surface-mount type: manufactured by Samtec, Inc.)
: TFM-107-01-L-D (through-hole type: manufactured by Samtec, Inc.)

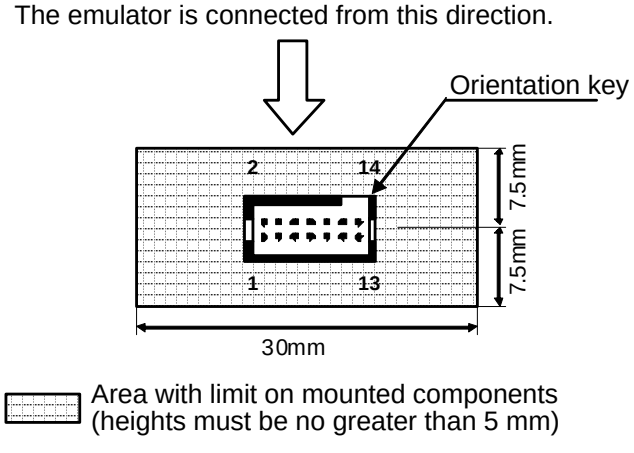


Figure 3 Limit on Height of Components Mounted around the Connector on the User System (the Connector for the Adapter)

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This product complies with the following EU Directive. (This directive is only valid in the European Union.)

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- Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC

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