R0E000010ACB00

Hot-plug Adapter for the E1 Emulator

R20UT0163EJ0101
Rev.1.01
Nov 12, 2010

1. Outline

The R0E000010ACB00 is used for the hot plug-in function of the E1 emulator. This product allows you to connect the E1 emulator to the running user system without turning off the power.

The availability of the hot plug-in function depends on the MCU and emulator debugger used. For the information of this function, be sure to read the latest edition of "E1/E20 Emulator Additional Document for User's Manual" supplied for each MCU group.

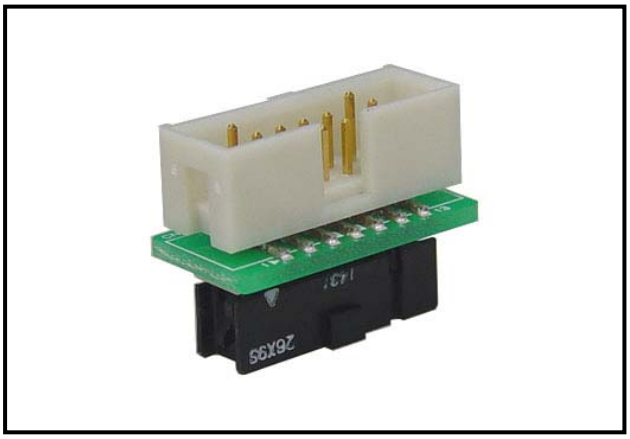


Figure 1 External View of the R0E000010ACB00

2. Package Components

Before using this product, confirm that the R0E000010ACB00 package contains the following items.

Table 1 Package Components

	Item	Qty.
(1)	R0E000010ACB00	1
(2)	R0E000010ACB00 User's Manual (this document)	1
(3)	R0E000010ACB00 User's Manual (Japanese)	1

3. Specifications

Table 2 Specifications

Item	Description
Upper connector (CN1)	ASP-151208-01 (manufactured by Samtec, Inc.)
	Guaranteed number of times for insertion and removal: 50
Lower connector (CN2)	XG4H-1431 (manufactured by Omron Corporation)
	Guaranteed number of times for insertion and removal: 50

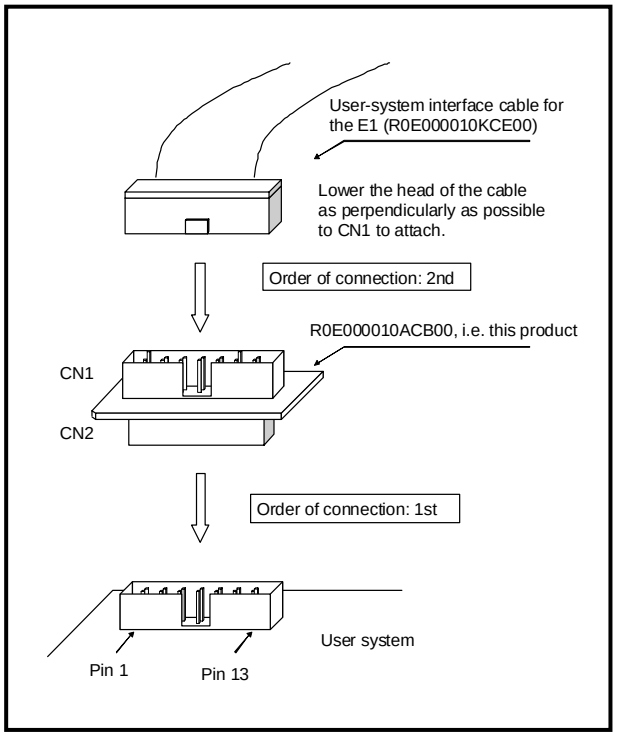


Figure 2 Usage of the R0E000010ACB00

4. Usage (See Figure 2)

The R0E000010ACB00 is connected between the user-system interface cable (for the E1) and a 14-pin connector on the user system as shown in Figure 2.

(1) Connect the adapter to the operating user system (while the power is ON).

(2) Power on the E1 emulator, then launch the debugger. Enable hot plug-in when launching the debugger.

(3) Attach the user-system interface cable (for the E1) to the adapter.

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IMPORTANT

Notes on Using the Hot Plug-in Function:

- Hot plug-in is a function to connect the emulator to the running user system. Hot plug-in can be used only with the emulator debugger that supports this function. For the information of this function, refer to the latest edition of "E1/E20 Emulator Additional Document for User's Manual".
- Be sure to follow the connecting sequence instructions in the "Usage" part of this document. Failure to follow the correct steps will result in unsuccessful hot plug-in.
- If the hot plug-in function is to be used, a capacitor of about 0.1uF needs to be connected between the RESET pin and GND on the user system. Pin handling may vary depending on the MCU used. Refer to your "E1/E20 Emulator Additional Document for User's Manual" for details.

5. 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

6. 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 (10 mm) applies to the heights of components mounted around the connector on the user system.

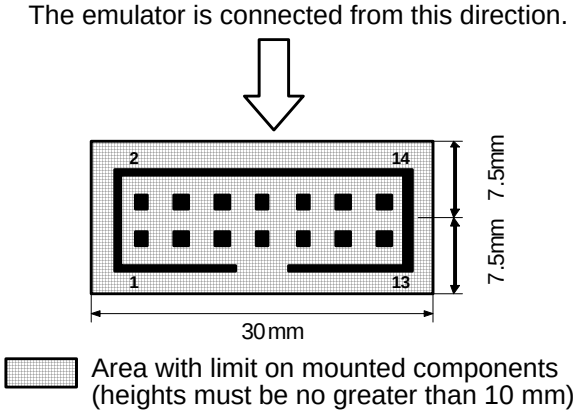


Figure 3 Limit on Height of Components Mounted around the Connector on the User System (the Connector for the Adapter)

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Regulatory Compliance Notices

European Union regulatory notices

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

Environmental Compliance and Certifications:

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

WEEE Marking Notice (European Union Only)



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