

ROE001000EXT00

External Trigger Cable for the E100 Emulator

User's Manual

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1. Outline

The external trigger cable R0E001000EXT00 allows tracing of external signals and output of events through the external trigger connector of the E100 emulator (R0E001000EMU00).

2. Package Components (See Figure 1)

Check to see if the R0E001000EXT00 package has all the following contents before using this product.

- (1) R0E001000EXTE0 board..... 1 pc.
- (2) R0E001000EXTT0 board (with a cable) 1 pc.
- (3) R0E001000FLX10 flexible cable..... 1 pc.
- (4) R0E001000EXT00 user's manual (this document)

3. Usage (See Figure 2)

The usage of the external trigger cable R0E001000EXT00 is shown in Figure 2.

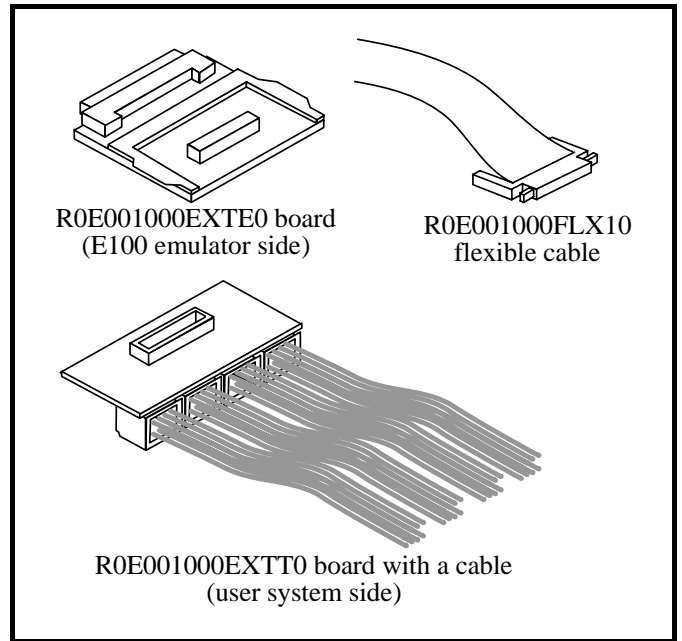


Figure 1 Package Components of the R0E001000EXT

Procedure:

After checking that the power supplies for the E100 emulator and the user system are turned off, connect the external trigger cable R0E001000EXT00 according to the following procedure.

- (1) Connect R0E001000FLX10 to the R0E001000EXTE0 board.
- (2) Open the lid (EXT) of the E100 emulator and connect the R0E001000EXTE0 board to the external trigger connector.
- (3) Connect signals to the user-system connection sockets of R0E001000EXTT0.
- (4) Connect R0E001000FLX10 to R0E001000EXTT0.

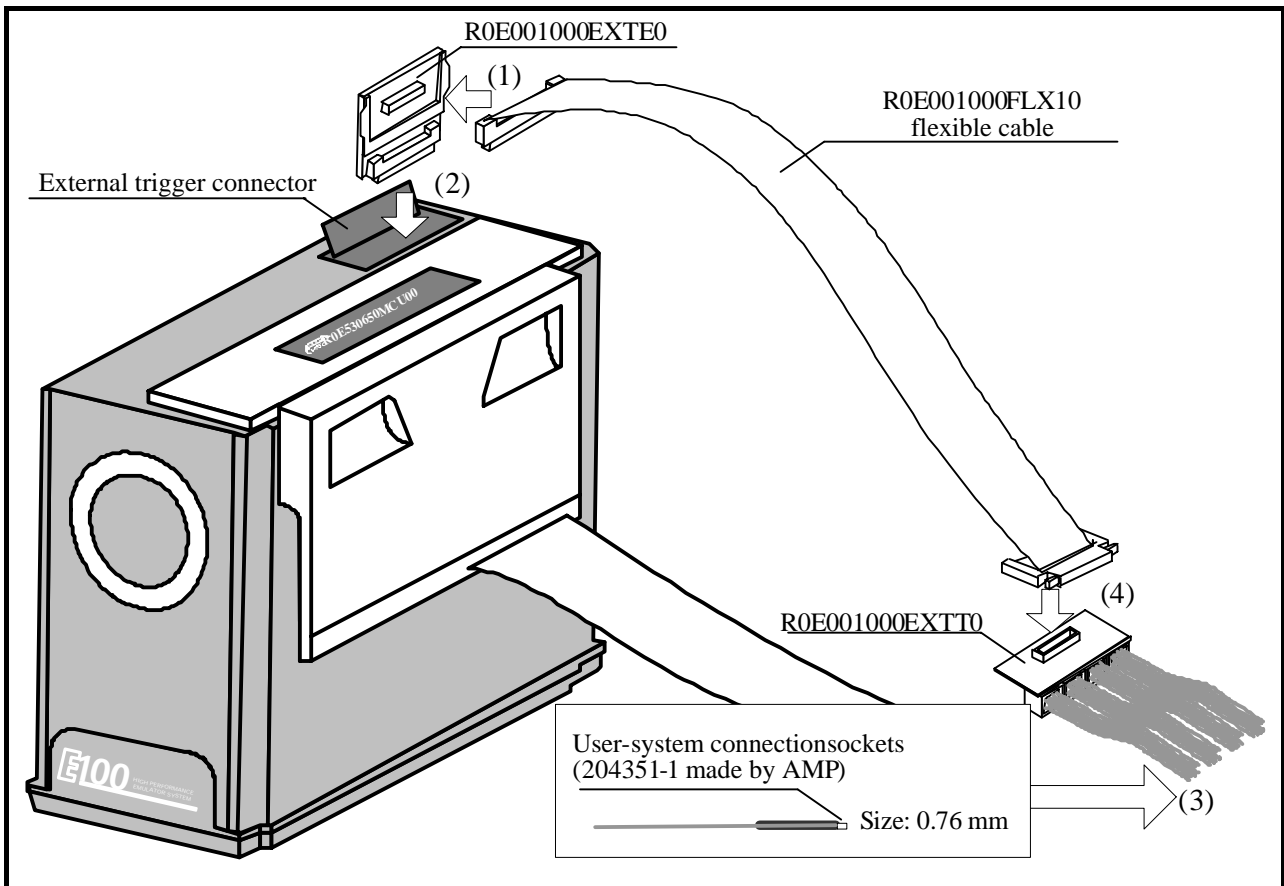


Figure 2 Usage of the R0E001000EXT00

4 Connection with a User System

(See Figure 3)

(1) GND connection

The black wire connected to the R0E001000EXTT0 board acts as a GND terminal. This wire must be connected to GND of the user system.

(2) Trigger-signal correspondence table

Input and output attributes for trigger signals are specifiable through settings in the emulator debugger. Table 1 shows the correspondence between the [Trigger] section ([External trigger cable]) on the [System] page of the [Configuration Properties] dialog box of the emulator debugger and identification numbers for the user-system connection sockets.

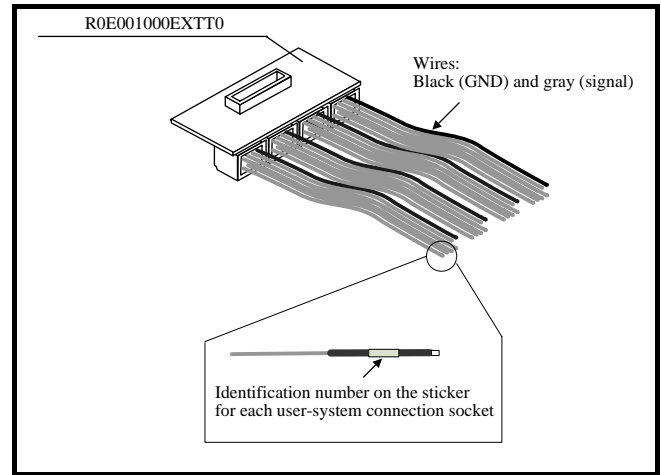


Figure 3 Connection with a User System

Table 1 Trigger-Signal Correspondence Table

Trigger Signal Name	Input/Output	R0E001000EXTT0 Connector Number	Identification Number for the User-System Connection Socket
CLK	I	CN3-2	CLK
EXT0	I	CN4-10	0
EXT1	I	CN4-9	1
EXT2	I	CN4-8	2
EXT3	I	CN4-7	3
EXT4	I	CN4-6	4
EXT5	I	CN4-5	5
EXT6	I	CN4-4	6
EXT7	I	CN4-3	7
EXT8	I	CN3-10	8
EXT9	I	CN3-9	9
EXT10	I	CN3-8	10
EXT11	I	CN3-7	11
EXT12	I	CN3-6	12
EXT13	I	CN3-5	13
EXT14	I	CN3-4	14
EXT15	I	CN3-3	15
EXT16	I/O	CN6-10	16
EXT17	I/O	CN6-9	17
EXT18	I/O	CN6-8	18
EXT19	I/O	CN6-7	19
EXT20	I/O	CN6-6	20
EXT21	I/O	CN6-5	21
EXT22	I/O	CN6-4	22
EXT23	I/O	CN6-3	23
EXT24	I/O	CN5-10	24
EXT25	I/O	CN5-9	25
EXT26	I/O	CN5-8	26
EXT27	I/O	CN5-7	27
EXT28	I/O	CN5-6	28
EXT29	I/O	CN5-5	29
EXT30	I/O	CN5-4	30
EXT31	I/O	CN5-3	31

5. Precautions

IMPORTANT

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