R0E001000ACB00

MCU Signal Measurement Board for the E100 Emulator

REJ10J2091-0200
Rev.2.00
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1. Outline

The R0E001000ACB00 is a board for MCU signal measurement. This product is connected between the R0E001000FLX10 flexible cable of the E100 emulator and a pitch converter board for the E100 emulator to measure the signals of individual pins.

2. Package Components (See Figure 1)

Check to see if the R0E001000ACB00 package has all the following contents before using this product.

(1) R0E001000ACB00 signal measurement board ..... 1 pc.
(2) R0E001000FLX10 flexible cable ..... 1 pc.
(3) R0E001000ACB00 User's Manual (this manual)

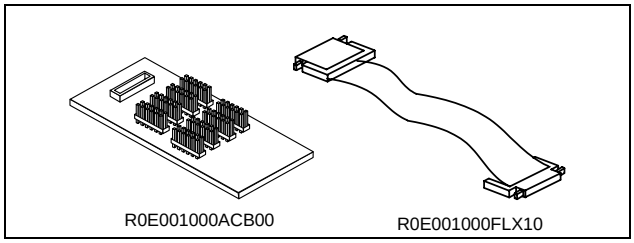

Figure 1 Package components of the R0E001000ACB00

3. Specifications

Table 1 Specifications

Insertion/removal iterations of connector	50 times guaranteed

4. Usage (See Figures 2 and 3)

When connected between the R0E001000FLX10 flexible cable of the E100 emulator and a pitch converter board for the E100 emulator, the R0E001000ACB00 measures the signals of individual pins.
One MCU signal measurement board is required for one flexible cable of the E100 emulator to measure the signals of the entire pins. Two MCU signal measurement boards are required for two flexible cables of the E100 emulator to measure the signals of the entire pins.

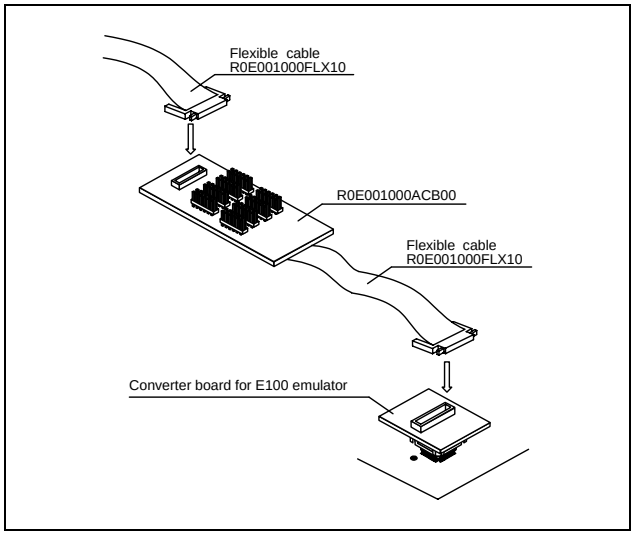

Figure 2 Usage of the R0E001000ACB00 (with one flexible cable)

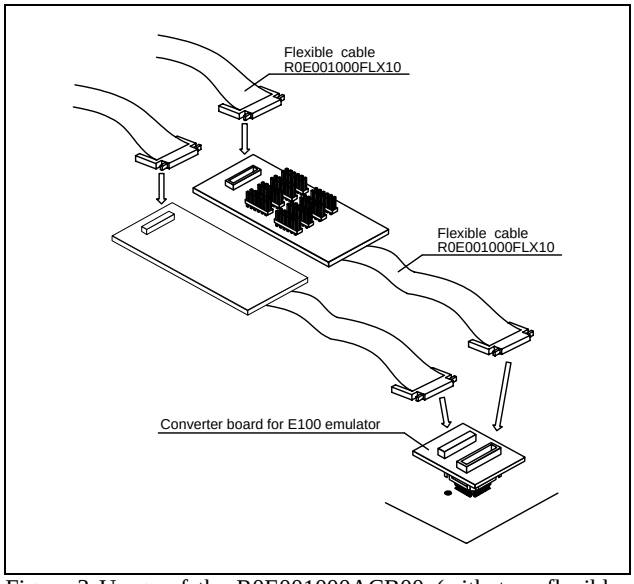

Figure 3 Usage of the R0E001000ACB00 (with two flexible cables)

5. Connection Procedure (See Figure 4)

The procedure for connecting the R0E001000ACB00 is shown below.

(1) Attach the flexible cable R0E001000FLX10 included in the package to the R0E001000ACB00.
(2) Attach the flexible cable R0E001000FLX10 of the emulator to the R0E001000ACB00.
(3) Attach the flexible cable R0E001000FLX10 included in the package to the converter board for the E100 emulator.

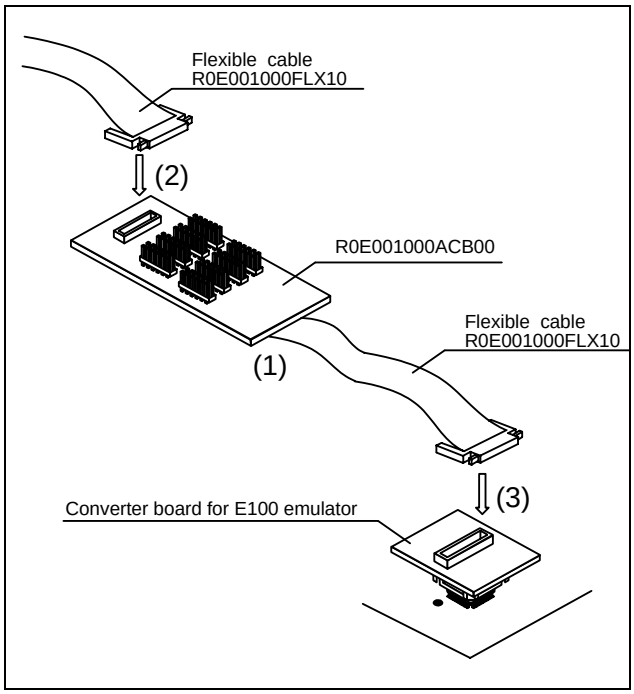

Figure 4 Connection procedure of the R0E001000ACB00

6. External Dimensions

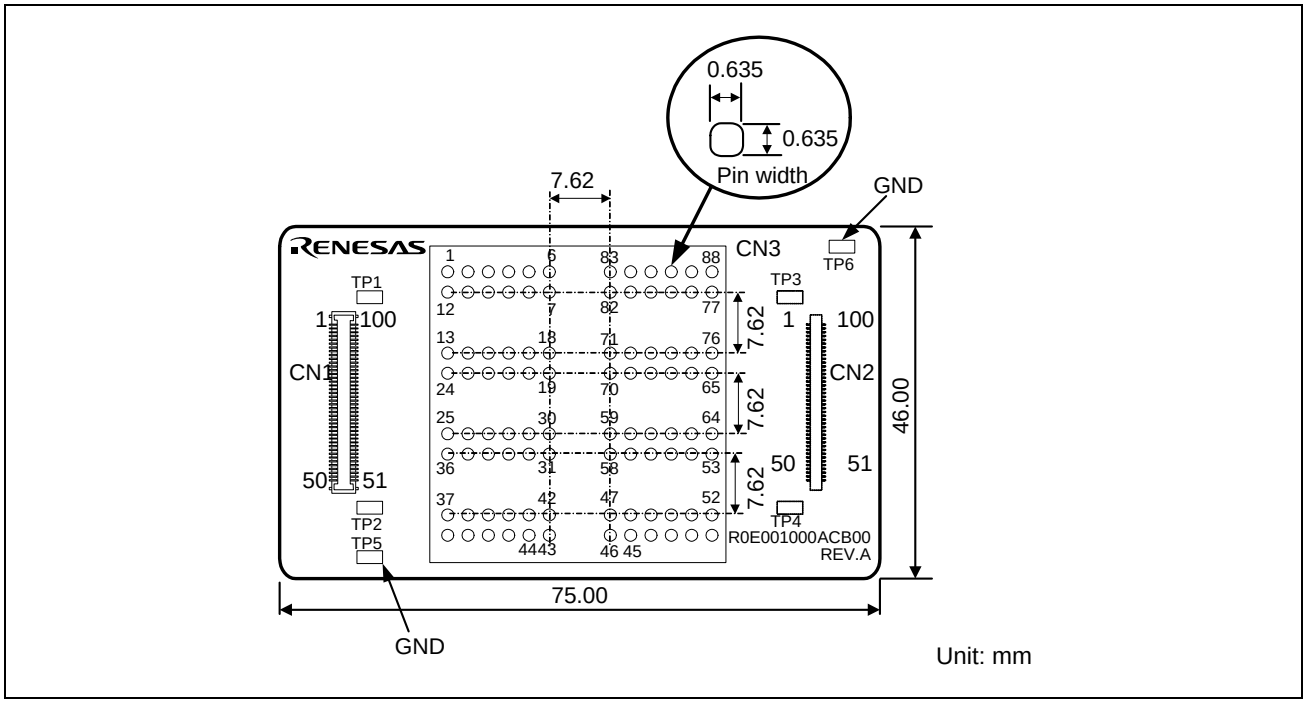

Figure 5 External dimensions of the R0E001000ACB00

7. Precautions and WEEE Directive

IMPORTANT

Cautions to Be Taken for This Product:

- Do not let the connectors or test pins of the R0E001000ACB00, or the flexible cable come in contact with conductive materials.
- Do not touch the connectors or test pins of the R0E001000ACB00 directly. Static electricity may damage the internal circuits.
- Be careful not to apply a mechanical shock to the CN3 connector of the R0E001000ACB00. Impact may bend the pins.
- Make sure there is no bend in the CN3 connector pins of the R0E001000ACB00 before use. Short circuits may damage the internal circuits.
- Do not flex the flexible cable excessively. The cable may cause a break.
- Do not tape the flexible cable or apply adhesives to secure the cable. The shielding material on the surface of the cable may come off.

Note on Electrical Characteristics:

- By using the flexible cable for extension, the DC resistance will increase (approximately 5Ω per one line), so that the electrical transmission characteristics, etc, become worse. When problems occur, such as a difference in timing between the user system and the MCU unit, do not use this product.

Notes on This Product:

- We cannot accept any request for repair.

Disposal Instruction (This is only valid in the European Union.):

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8. Correspondence of Connectors CN1, CN2 and CN3

The pin connections between CN1 and CN2 are one-to-one. Refer to the correspondence table of the user's manual of the converter board to find the pins to connect to CN3. For example, if CN1-5 of the converter board corresponds to Pin No. IC1-10, Pin No. CN3-2 of the R0E001000ACB00 corresponds to Pin No. IC1-10.

Table 2 Correspondence of the connectors

CN3 Pin No.	CN1,2 Pin No.	CN3 Pin No.	CN1,2 Pin No.	CN3 Pin No.	CN1,2 Pin No.	CN3 Pin No.	CN1,2 Pin No.
1	2	23	26	45	54	67	76
2	5	24	27	46	55	68	77
3	6	25	28	47	56	69	78
4	7	26	29	48	57	70	79
5	8	27	30	49	58	71	80
6	9	28	31	50	59	72	81
7	10	29	32	51	60	73	82
8	11	30	33	52	61	74	83
9	12	31	34	53	62	75	84
10	13	32	35	54	63	76	85
11	14	33	36	55	64	77	86
12	15	34	37	56	65	78	87
13	16	35	38	57	66	79	88
14	17	36	39	58	67	80	89
15	18	37	40	59	68	81	90
16	19	38	41	60	69	82	91
17	20	39	42	61	70	83	92
18	21	40	43	62	71	84	93
19	22	41	44	63	72	85	94
20	23	42	45	64	73	86	95
21	24	43	46	65	74	87	96
22	25	44	47	66	75	88	99

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