R0E001000PKZ00

Converter Board for Connecting R0E001000FLX10 to Pitch Converter Board for PC7501

User's Manual

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1. Outline

The R0E001000PKZ00 is a converter board for connecting the flexible cable R0E001000FLX10 to a pitch converter board for PC7501.

2. Package Components (See Figure 1)

Check to see if the R0E001000PKZ00 package has all the following contents before using this product.

(1) R0E001000PKZ00 converter board ..... 1 pc.
(2) R0E001000PKZ00 User's Manual (this manual)

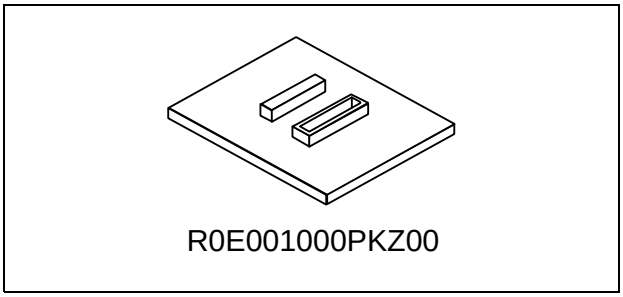

Figure 1 Package components of the R0E001000PKZ00

3. Specifications

Table 1 Specifications

Insertion/removal iterations of connector	50 times guaranteed

4. Usage (See Figure 2)

The R0E001000PKZ00 can be used for debugging and on-board evaluation in common by mounting the NQPACKxxxxx on the user system.

(1) For debugging
Mount the NQPACKxxxxx on the foot pattern of the user system and attach the YQPACKxxxxx on it. In addition, connect the pitch converter board for PC7501 to the YQPACKxxxxx and attach the R0E001000PKZ00 on it. Finally, connect the flexible cable R0E001000FLX10 of the emulator to the upper connector of the R0E001000PKZ00.

(2) For on-board evaluation
Mount an MCU with on-chip flash memory or one-time PROM and the HQPACKxxxxx (not included) in order on the NQPACKxxxxx on the user system.

Before using the R0E001000PKZ00, be sure to read "7. Precautions" on page 4.

[Connectable PC7501 converter boards]
- For the MCU Unit R0E530640MCU00
  100-pin 0.5mm pitch : M3T-F160-100NSD
  100-pin 0.65mm pitch : M3T-F160-100NRB

- For the MCU Unit R0E530650MCU00*
  100-pin 0.5mm pitch : M3T-F160-100NSD
  100-pin 0.65mm pitch : M3T-F160-100NRB
  80-pin 0.65mm pitch : M3062PT-80FPB
  128-pin 0.5mm pitch : M3T-F160-128NRD

* Under development (as of Aug. 2008)

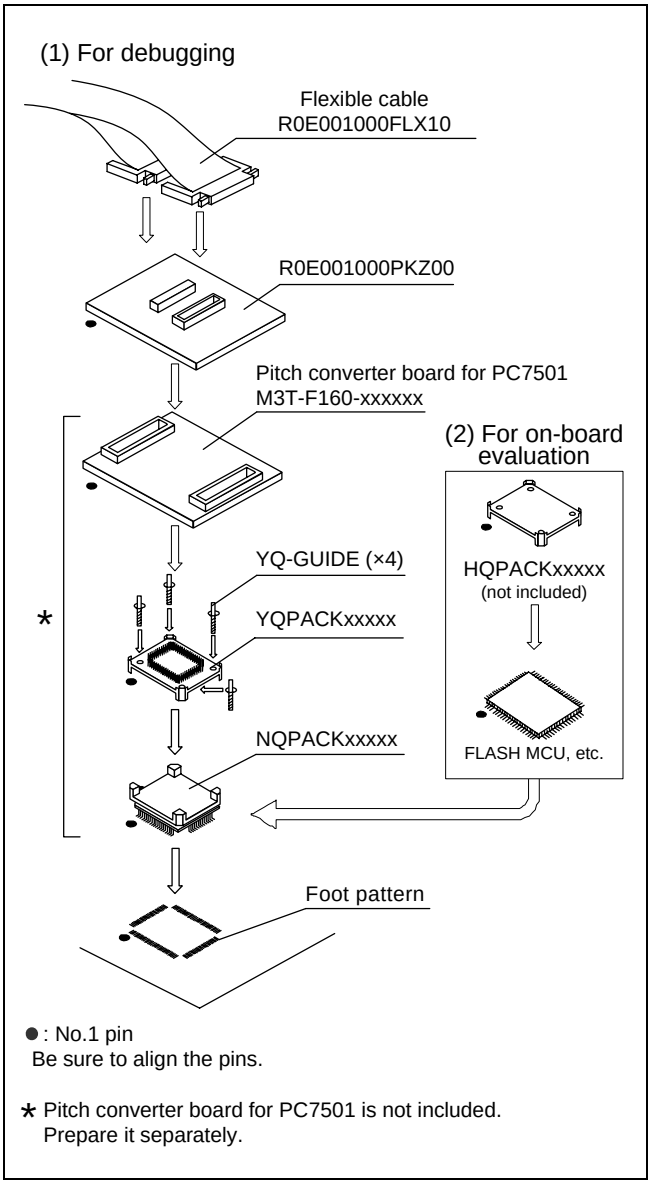

Figure 2 Usage of the R0E001000PKZ00

5. Connection Procedure (See Figure 3)

The procedure for connecting the R0E001000PKZ00 is shown below.

(1) Mount the NQPACKxxxxx on the user system.

(2) Attach the YQPACKxxxxx on the NQPACKxxxxx.

(3) Secure the four corners of the YQPACKxxxxx with the YQ-GUIDEs.

- **Do not use the screws included with the YQPACKxxxxx for fixing the YQPACKxxxxx.**
- **Do NOT use the screwdriver included with the NQPACKxxxxx for fixing the YQ-GUIDEs. That is used only for the HQPACKxxxxx.**

(4) Mount the pitch converter board for PC7501 on the YQPACKxxxxx.

(5) Attach the R0E001000PKZ00 on the pitch converter board for PC7501

(6) Connect the flexible cable R0E001000FLX10 of the emulator to the R0E001000PKZ00.

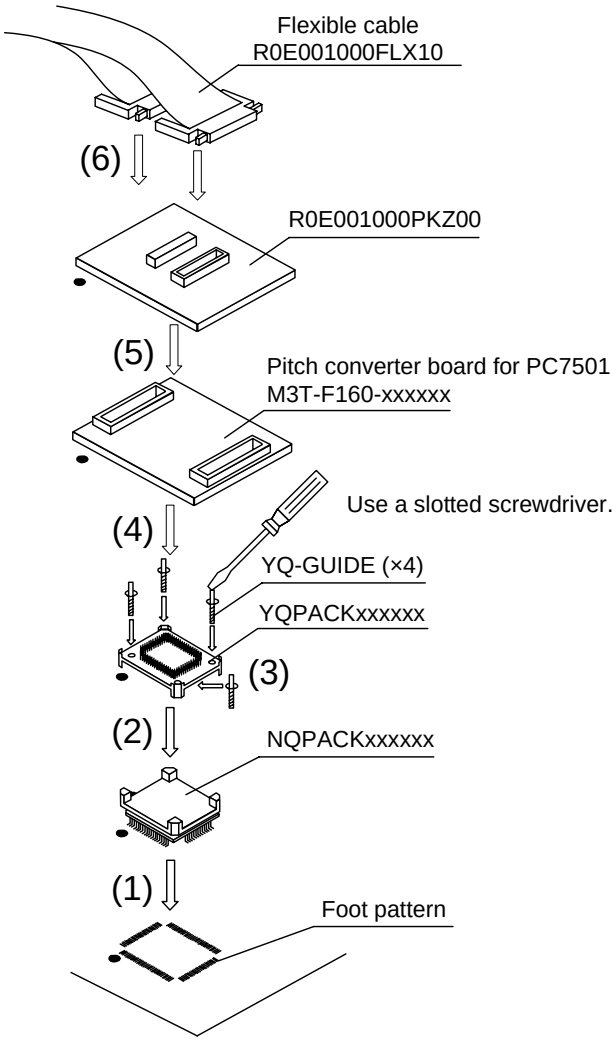

Figure 3 Connection procedure of the R0E001000PKZ00

6. External Dimensions

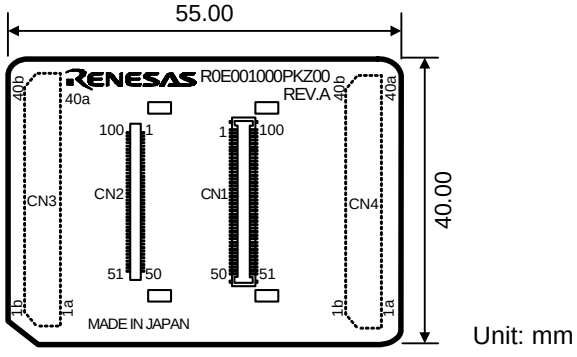

Figure 4 External dimensions of the R0E001000PKZ00

7. Precautions

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.
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8. Correspondence of Connectors CN1, CN2, CN3 and CN4

Table 2 Correspondence of the connectors

CN1 Pin No.	CN3, 4 Pin No.	CN1 Pin No.	CN3, 4 Pin No.	CN2 Pin No.	CN3, 4 Pin No.	CN2 Pin No.	CN3, 4 Pin No.
1	-	100	-	1	-	100	-
2	-	99	-	2	-	99	-
3	-	98	-	3	-	98	-
4	-	97	-	4	-	97	-
5	CN4-36b	96	CN4-36a	5	CN4-24b	96	-
6	CN4-37a	95	CN4-35b	6	CN4-24a	95	-
7	CN4-37b	94	CN4-35a	7	CN4-23a	94	CN4-27a
8	CN3-40a	93	CN4-34b	8	CN4-22a	93	CN4-27b
9	CN3-39b	92	CN4-34a	9	CN4-18b	92	CN4-28a
10	CN3-39a	91	CN4-33b	10	CN4-18a	91	CN4-38a
11	CN3-38b	90	CN4-32b	11	CN4-17b	90	CN4-38b
12	CN3-38a	89	CN4-31b	12	CN4-17a	89	CN4-39a
13	CN3-37b	88	CN4-30a	13	-	88	CN4-39b
14	CN3-37a	87	CN4-29b	14	-	87	CN4-40a
15	-	86	-	15	-	86	-
16	CN3-36b	85	CN4-29a	16	-	85	CN3-31b
17	CN3-36a	84	CN4-28b	17	-	84	CN3-30a
18	CN3-35b	83	CN4-26b	18	-	83	CN3-29b
19	CN3-35a	82	CN4-26a	19	-	82	CN3-29a
20	CN3-34b	81	CN4-25b	20	-	81	CN3-28b
21	CN3-34a	80	CN4-25a	21	-	80	CN3-28a
22	CN3-33b	79	CN4-21b	22	-	79	CN3-25a
23	CN3-33a	78	CN4-20a	23	-	78	CN3-24b
24	CN3-32b	77	CN4-19b	24	-	77	CN3-24a
25	CN3-32a	76	CN4-19a	25	CN3-25b	76	CN3-23b
26	-	75	-	26	CN3-26a	75	-
27	CN3-12a	74	CN4-16b	27	CN3-26b	74	CN3-17a
28	CN3-11b	73	CN4-16a	28	CN3-27a	73	CN3-16b
29	CN3-10a	72	CN4-15b	29	-	72	CN3-16a
30	CN3-09b	71	CN4-15a	30	CN3-27b	71	CN3-15b
31	CN3-09a	70	CN4-14b	31	CN3-18a	70	CN3-15a
32	CN3-08b	69	CN4-14a	32	CN3-19a	69	CN3-14b
33	CN3-08a	68	CN4-13a	33	CN3-19b	68	CN3-14a
34	CN3-07b	67	CN4-12a	34	CN3-20a	67	CN3-13b
35	CN3-07a	66	CN4-11b	35	CN3-21b	66	CN3-13a
36	CN3-03a	65	CN4-10a	36	CN3-22a	65	CN3-12b
37	-	64	-	37	CN3-22b	64	-
38	CN3-02b	63	CN4-09b	38	CN3-23a	63	CN3-23a
39	CN3-02a	62	CN4-09a	39	-	62	CN3-22b
40	CN3-01b	61	CN4-08b	40	CN3-6b	61	CN3-22a
41	CN4-01b	60	CN4-08a	41	CN3-6a	60	CN3-21b
42	CN4-02a	59	CN4-07b	42	CN3-5b	59	CN3-20a
43	CN4-02b	58	CN4-07a	43	CN3-5a	58	CN3-19b
44	CN4-03a	57	CN4-06b	44	CN3-4b	57	CN3-19a
45	CN4-03b	56	CN4-06a	45	-	56	CN3-18a
46	CN4-04a	55	CN4-05b	46	CN3-03b	55	-
47	CN4-04b	54	CN4-05a	47	CN3-04a	54	-
48	-	53	-	48	-	53	-
49	-	52	-	49	-	52	-
50	-	51	-	50	-	51	-

(-: No connection or signals in the emulator)