1. Outline

The R0E530650CFK10 is a converter board for connecting the flexible cable R0E001000FLX10 to a foot pattern for 128-pin 0.5mm pitch LQFP (PLQP0128KB-A).

2. Package Components (See Figure 1)

Check to see if the R0E530650CFK10 package has all the following contents before using this product.

(1) R0E530650CFK10 converter board ............................ 1 pc.
(2) YQPACK128RD (made by Tokyo Eletech Corporation) ................ 1 pc.
(3) NQPACK128RD (made by Tokyo Eletech Corporation) .............. 1 pc.
(4) YQ-GUIDE (made by Tokyo Eletech Corporation) .....................4 pcs.
(5) R0E530650CFK10 User’s Manual (this manual)

3. Specifications

<table>
<thead>
<tr>
<th>Applicable package</th>
<th>PLQP0128KB-A: formerly 128P6Q-A (128-pin 0.5mm pitch LQFP)</th>
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<tr>
<td>Insertion/removal</td>
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<td>iterations of connector</td>
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4. Usage (See Figure 2)

The R0E530650CFK10 can be used for debugging and on-board evaluation in common by mounting the NQPACK128RD on the user system.

(1) For debugging

Mount the NQPACK128RD on the foot pattern of the user system and attach the YQPACK128RD on it. In addition, connect the R0E530650CFK10 to the YQPACK128RD, and then connect the flexible cable R0E001000FLX10 of the emulator to the upper connector of the R0E530650CFK10.

(2) For on-board evaluation

Mount an MCU with on-chip flash memory or one-time PROM and the HQPACK128RD (not included) in order on the NQPACK128RD on the user system.

Before using the R0E530650CFK10, be sure to read the precautions on page 3.

* NQPACK, YQPACK, YQSOCKET, YQ-GUIDE, HQPACK, TQPACK, TQSOCKET, CSSOCKET, CSPLUG/W and LSPACK are trademarks of Tokyo Eletech Corporation.
5. Connection Procedure (See Figure 3)

The procedure for connecting the R0E530650CFK10 is shown below.

1. Mount the NQPACK128RD on the user system.
2. Attach the YQPACK128RD on the NQPACK128RD.
3. Secure the four corners of the YQPACK128RD with the YQ-GUIDEs.
   - Do NOT use the screws included with the YQPACK128RD for fixing the YQPACK128RD.
   - Do NOT use the screwdriver included with the NQPACK128RD for fixing the YQ-GUIDEs. That is used only for the HQPACK128RD.
4. Mount the R0E530650CFK10 on the YQPACK128RD.
5. Attach the flexible cable R0E001000FLX10 of the emulator to the R0E530650CFK10.

6. External Dimensions and a Sample Foot Pattern

![Figure 3 Connection procedure of the R0E530650CFK10](image)

![Figure 4 External dimensions and a sample foot pattern of the R0E530650CFK10](image)
7. Precautions and WEEE Directive

**CAUTION**

Cautions to Be Taken for This Product:
- Do not connect signals in the emulator.

**IMPORTANT**

Notes on This Product:
- We cannot accept any request for repair.

Disposal Instruction (This is only valid in the European Union):
Renesas development tools and products are directly covered by the European Union's Waste Electrical and Electronic Equipment, (WEEE), Directive 2002/96/EC. As a result, this equipment, including all accessories, must not be disposed of as household waste but through your locally recognised recycling or disposal schemes. As part of our commitment to environmental responsibility Renesas also offers to take back the equipment and has implemented a Tools Product Recycling Program for customers in Europe. This allows you to return equipment to Renesas for disposal through our approved Producer Compliance Scheme. To register for the program, click here: [http://www.renesas.com/weee](http://www.renesas.com/weee).

8. Correspondence of Connectors CN1 and CN2

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(• No connection or signals in the emulator)
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