

M30100T-PTC

Converter Board for M30100

User's Manual

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CAUTION

If the requirements shown in the "CAUTION" sentences are ignored, the equipment may cause personal injury or damage to the products.

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1. Outline

The M30100T-PTC is a converter board for M30100 Group for connecting the pod probe M30100T-PRB to the foot pattern for 0.8-mm-pitch QFP (32P6U-A).

2. Package Components (see Figure 1)

- (1) M30100T-PTC converter board
- (2) YQPACK032SA (made by Tokyo Eletech Corporation)
- (3) NQPACK032SA (made by Tokyo Eletech Corporation)
- (4) YQ-GUIDE (4 pieces)
(made by Tokyo Eletech Corporation)
- (5) Screwdriver
- (6) M30100T-PTC User's Manual (This manual)

3. Specifications

Table 1 Specifications

Applicable package	32P6U-A (32-pin 0.8-mm-pitch QFP)
Insertion/removal iterations of connector	20 times guaranteed

4. Usage (see Figure 2)

The M30100T-PTC can be used for debugging and board mounted evaluation in common by mounting the NQPACK032SA on the target board.

a. For debugging

Mount the NQPACK032SA and the YQPACK032SA in that order on the foot pattern of the target board. Then attach the YQ-GUIDE's to the YQPACK032SA to connect the M30100T-PTC. Finally, connect the pod probe M30100T-PRB to the M30100T-PTC.

b. For board-mounted evaluation

Mount the M30100 MCU and the HQPACK032SA (separately available) in that order on the NQPACK032SA on the target system.

Before using the M30100T-PTC, be sure to read "7. Precautions" (page 4).

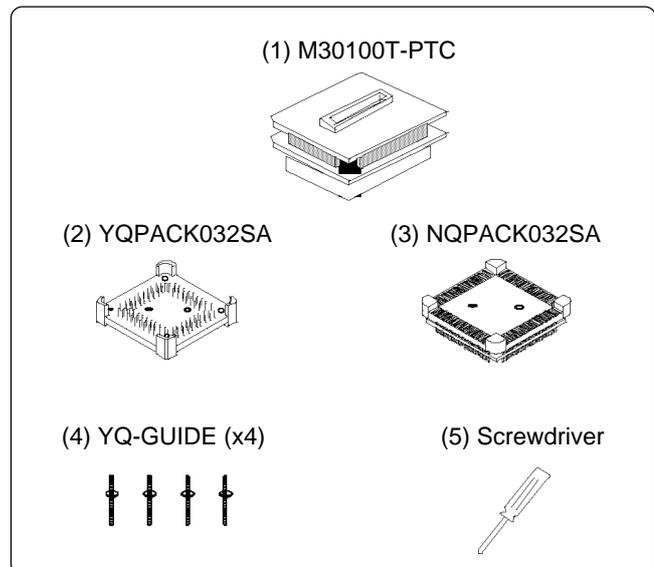


Figure 1 Package components of the M30100T-PTC

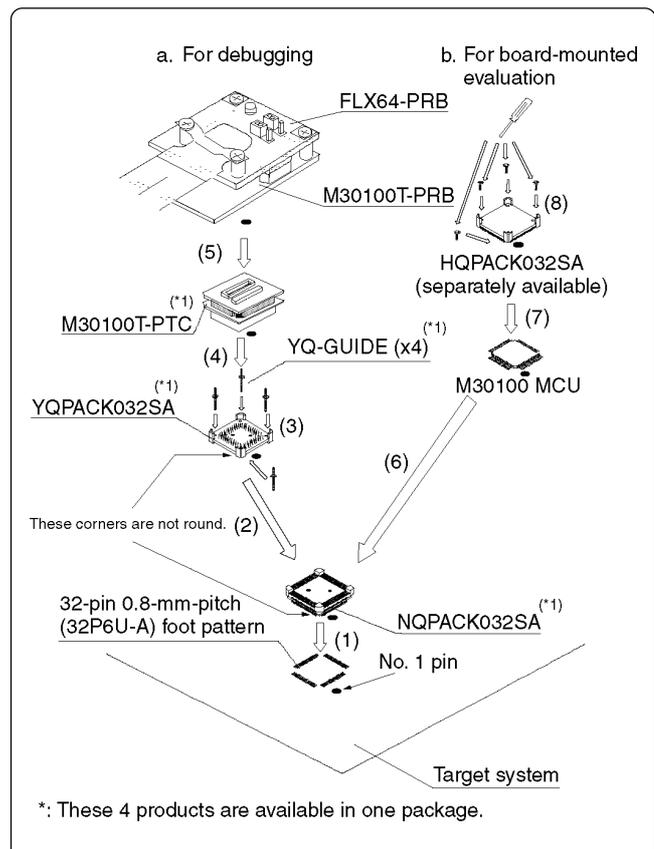


Figure 2 Usage of the M30100T-PTC

5. Connection Procedure (see Figure 3)

- (1) Mount the NQPACK032SA.
- (2) Mount the YQPACK032SA on the NQPACK032SA.
- (3) Secure the four corners of the YQPACK032SA with the YQ-GUIDE's.
- (4) Attach the M30100T-PTC to the YQPACK032SA.
- (5) Connect the probe of the emulation pod to the M30100T-PTC.

Before using the M30100T-PTC, be sure to read "7. Precautions" (page 4).

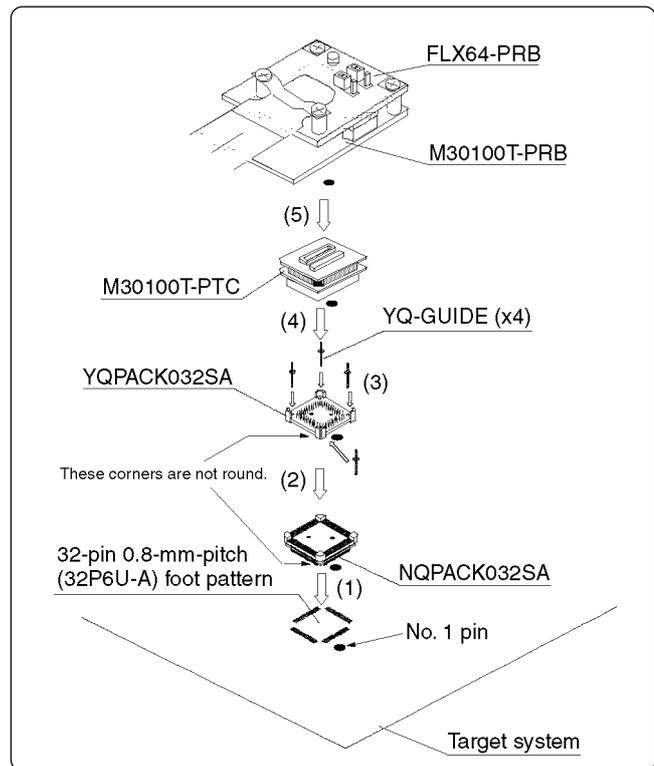


Figure 3 Connection procedure of the M30100T-PTC

6. External Dimensions of the M30100T-PTC and a Sample Foot Pattern (see Figure 4)

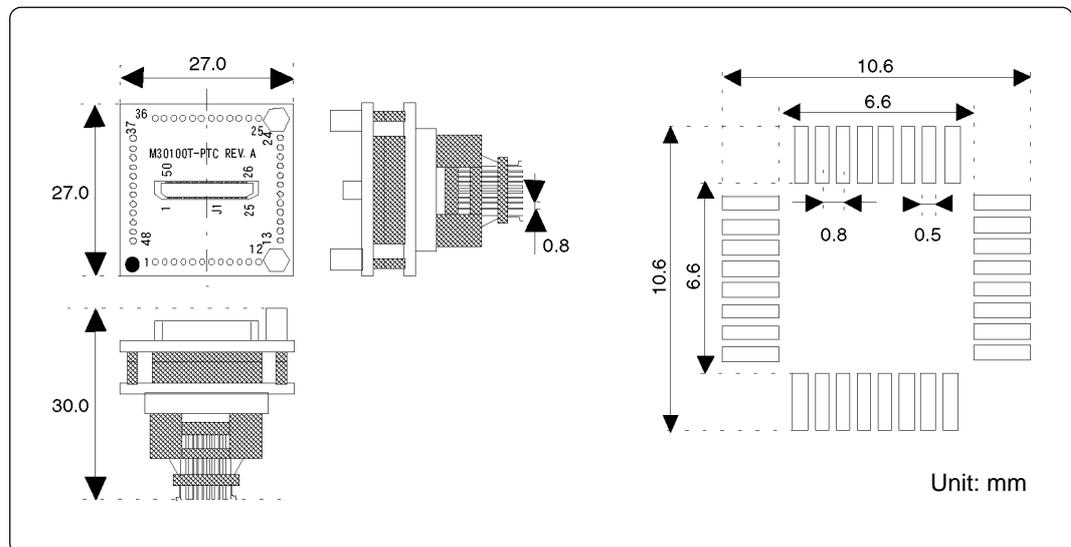


Figure 4 External dimensions of the M30100T-PTC and a sample foot pattern

7. Precautions

CAUTION

Caution to Be Taken for This Product:



- When connecting the M30100T-PTC, be sure to use the included YQ-GUIDE's.

IMPORTANT

Notes for This Product:

- We cannot accept any request for repair.
- For purchasing the NQPACK032SA, YQPACK032SA and HQPACK032SA, contact the following:

Daimaru Kogyo Ltd. <http://www.daimarukogyo.co.jp/>
Tokyo Eletech Corporation http://www.tetc.co.jp/e_tet.htm

- For inquiries about the product or the contents of this manual, contact your local distributor.

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8. J1 Connectors and Pins of NQPACK

Table 2 lists the connections of the J1 connectors and the pins of the NQPACK.

Table 2 Connections of the J1 connectors and the pins of the NQPACK

Connector No.	NQPACK	Connector No.	NQPACK
J1-1	-	J1-26	-
J1-2	-	J1-27	-
J1-3	29	J1-28	13
J1-4	30	J1-29	14
J1-5	31	J1-30	15
J1-6	32	J1-31	16
J1-7	1	J1-32	-
J1-8	-	J1-33	17
J1-9	-	J1-34	18
J1-10	-	J1-35	-
J1-11	2	J1-36	-
J1-12	-	J1-37	-
J1-13	-	J1-38	-
J1-14	3	J1-39	19
J1-15	4	J1-40	20
J1-16	5	J1-41	21
J1-17	6	J1-42	22
J1-18	7	J1-43	23
J1-19	8	J1-44	24
J1-20	9	J1-45	25
J1-21	10	J1-46	26
J1-22	11	J1-47	27
J1-23	12	J1-48	28
J1-24	-	J1-49	-
J1-25	-	J1-50	-

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