

# M30100T-PTC

Converter Board for M30100

## User's Manual

Keep safety first in your circuit designs!

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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.

## 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).

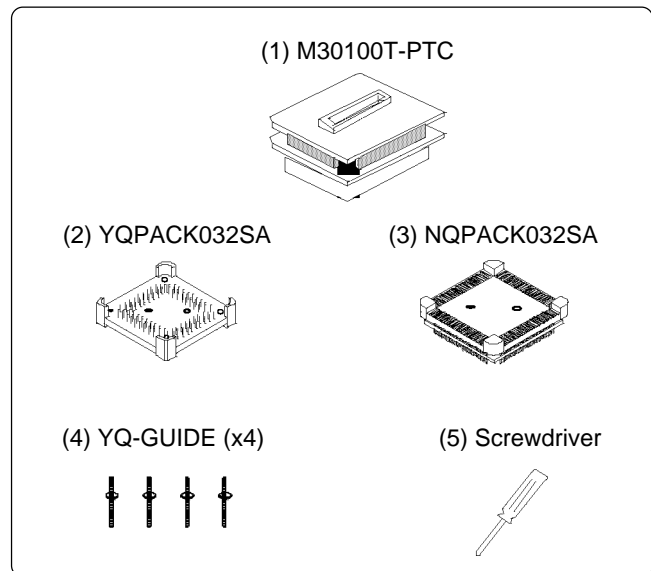


Figure 1 Package components of the M30100T-PTC

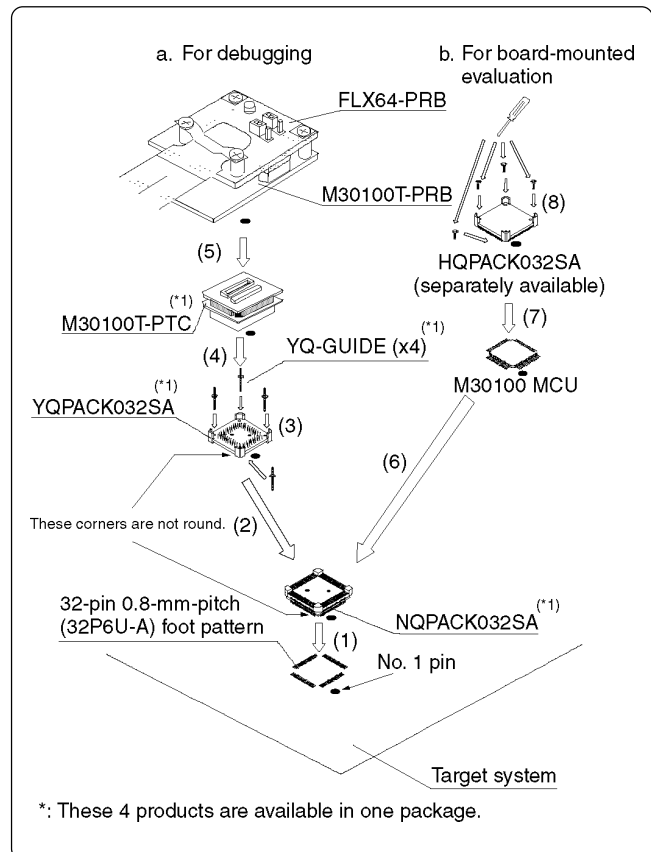


Figure 2 Usage of the M30100T-PTC

## 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).

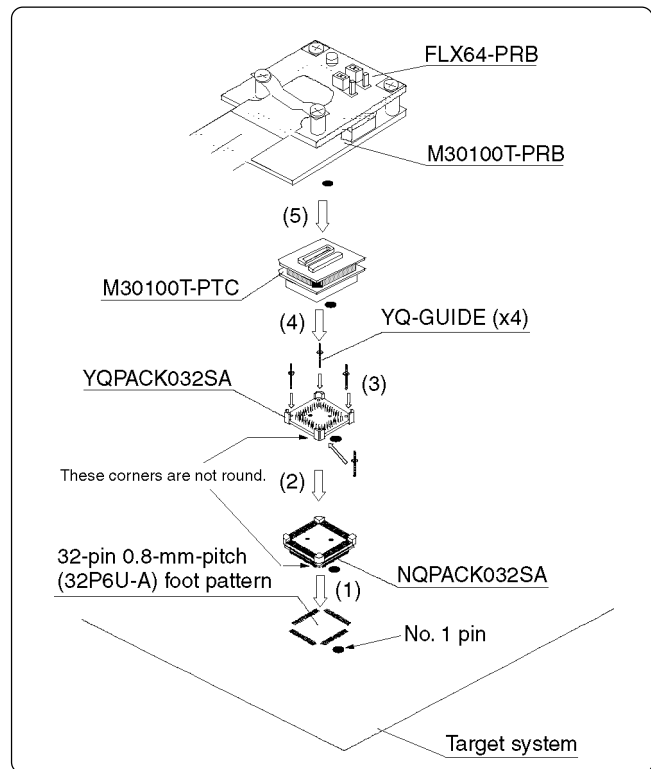


Figure 3 Connection procedure of the M30100T-PTC

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

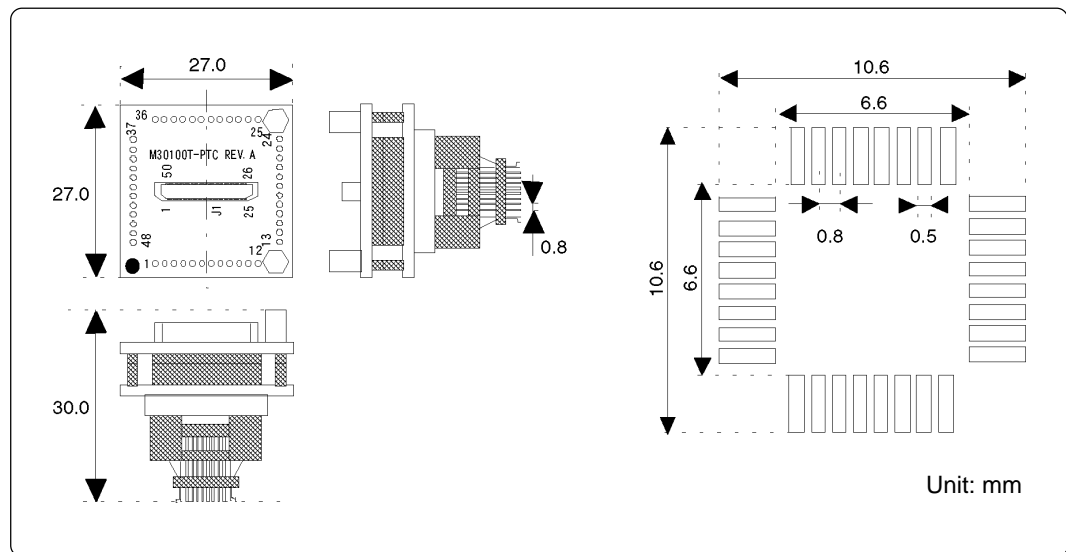


Figure 4 External dimensions of the M30100T-PTC and a sample foot pattern

## 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](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	-