

M30102T-PTC

Converter Board for M30102

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 M30102T-PTC is a converter board for M30102 Group for connecting the pod probe M30100T-PRB to the foot pattern for 48-pin 0.5-mm-pitch QFP (48P6Q-A).

2. Package Components (see Figure 1)

- (1) M30102T-PTC converter board
- (2) YQPACK048SD (made by Tokyo Eletech Corporation)
- (3) NQPACK048SD (made by Tokyo Eletech Corporation)
- (4) YQ-GUIDE (4 pieces)
(made by Tokyo Eletech Corporation)
- (5) Screwdriver
- (6) M30102T-PTC User's Manual (This manual)

3. Specifications

Table 1 Specifications

Applicable package	48P6Q-A (48-pin 0.5-mm-pitch QFP)
Insertion/removal iterations of connector	20 times guaranteed

4. Usage (see Figure 2)

The M30102T-PTC can be used for debugging and board mounted evaluation in common by mounting the NQPACK048SD on the target board.

a. For debugging

Mount the NQPACK048SD and the YQPACK048SD in that order on the foot pattern of the target board. Then attach the YQ-GUIDE's to the YQPACK048SD to connect the M30102T-PTC. (Do not use the four screws included in the YQPACK048SD package.) Finally, connect the pod probe M30100T-PRB to the M30102T-PTC.

b. For board-mounted evaluation

Mount the M30102 MCU and the HQPACK048SD (separately available) in that order on the NQPACK048SD on the target system. Then secure the screws.

Before using the M30102T-PTC, be sure to read "7. Precautions" (page 4).

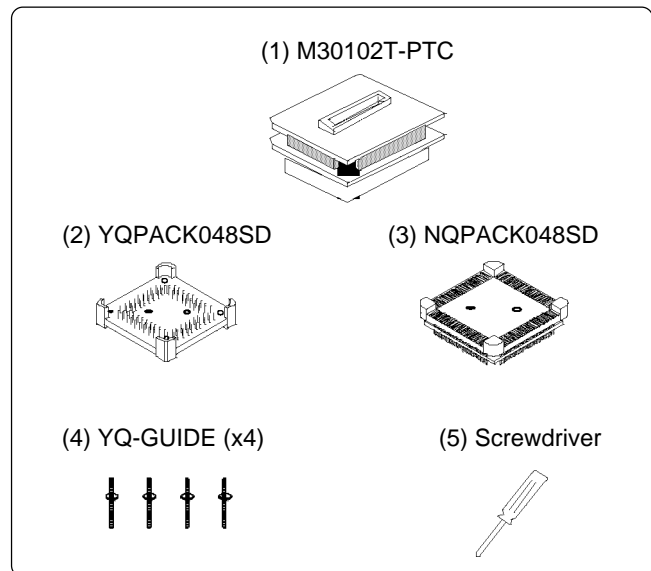


Figure 1 Package components of the M30102T-PTC

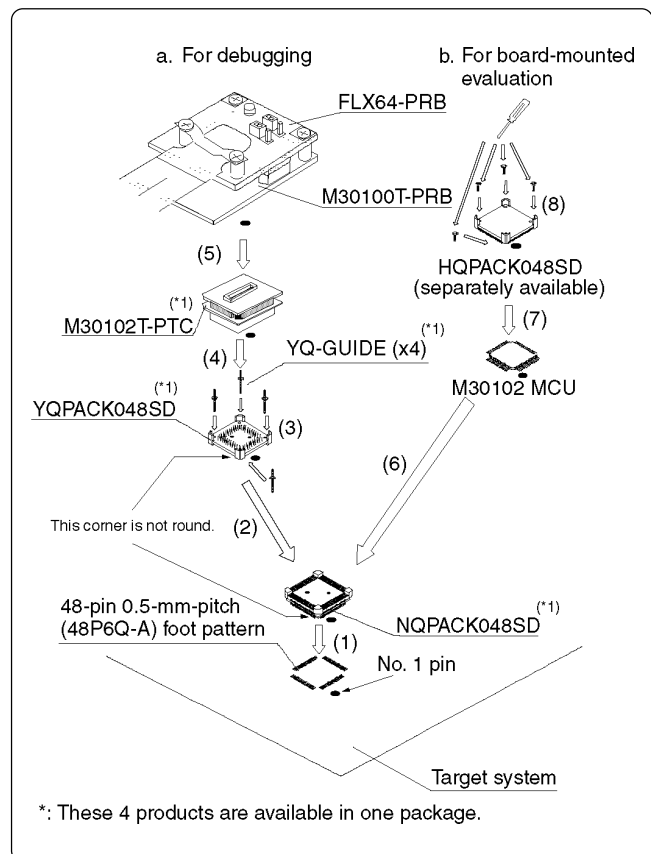


Figure 2 Usage of the M30102T-PTC

5. Connection Procedure (see Figure 3)

- (1) Mount the NQPACK048SD.
- (2) Mount the YQPACK048SD on the NQPACK048SD.
- (3) Secure the four corners of the YQPACK048SD with the YQ-GUIDE's. (Do not use the four screws included in the YQPACK048SD package.)
- (4) Attach the M30102T-PTC to the YQPACK048SD.
- (5) Connect the probe of the emulation pod to the M30102T-PTC.

Before using the M30102T-PTC, be sure to read "7. Precautions" (page 4).

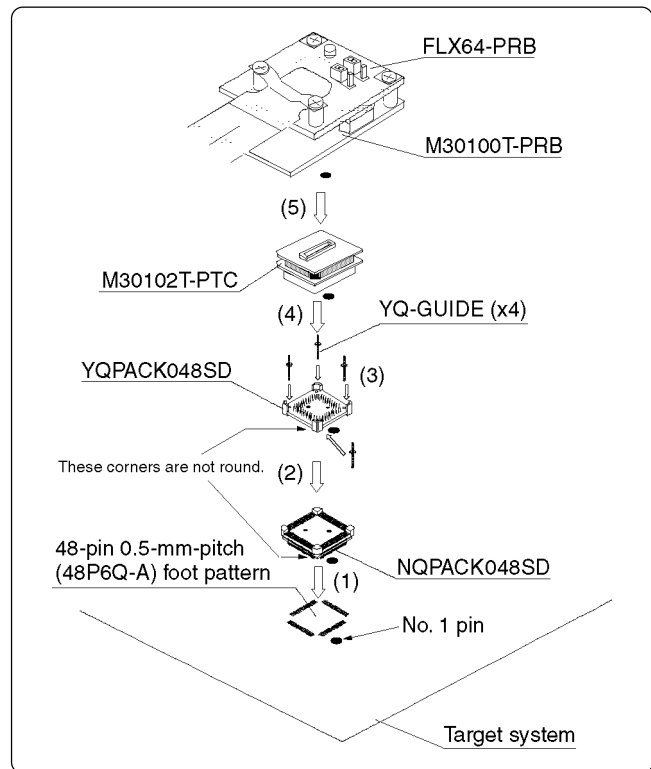


Figure 3 Connection procedure of the M30102T-PTC

6. External Dimensions of the M30102T-PTC and a Sample Foot Pattern (see Figure 4)

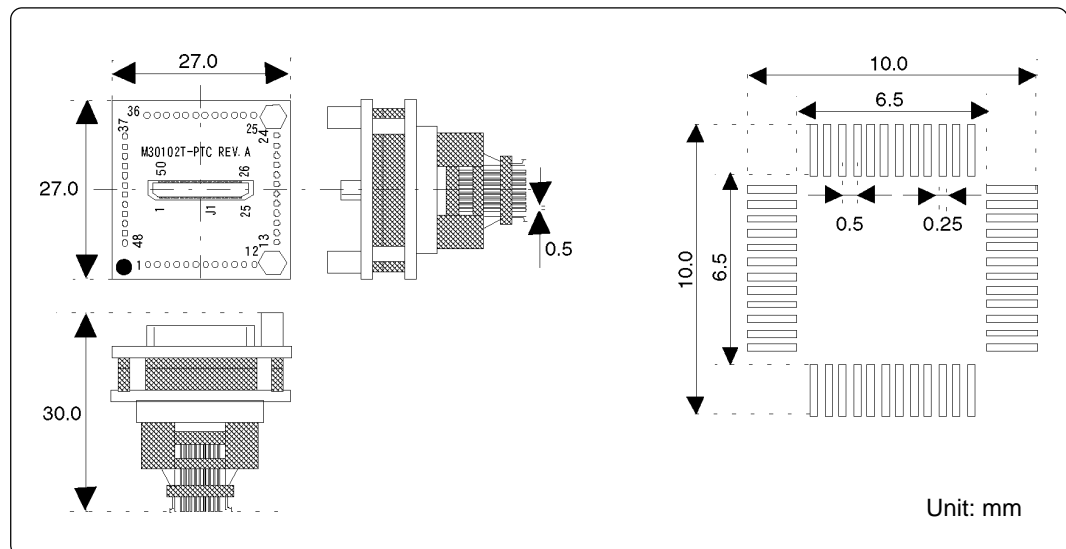


Figure 4 External dimensions of M30102T-PTC and sample foot pattern

7. Precautions

CAUTION

Caution to Be Taken for This Product:



- When connecting the M30102T-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 NQPACK048SD, YQPACK048SD and HQPACK048SD, 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	43	J1-27	19
J1-3	44	J1-28	20
J1-4	45	J1-29	21
J1-5	46	J1-30	22
J1-6	47	J1-31	23
J1-7	48	J1-32	24
J1-8	1	J1-33	25
J1-9	2	J1-34	26
J1-10	3	J1-35	27
J1-11	4	J1-36	28
J1-12	5	J1-37	29
J1-13	6	J1-38	30
J1-14	7	J1-39	31
J1-15	8	J1-40	32
J1-16	9	J1-41	33
J1-17	10	J1-42	34
J1-18	11	J1-43	35
J1-19	12	J1-44	36
J1-20	13	J1-45	37
J1-21	14	J1-46	38
J1-22	15	J1-47	39
J1-23	16	J1-48	40
J1-24	17	J1-49	41
J1-25	18	J1-50	42

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