



M3T-F160-64NSD

Converter Board for Connecting FLX160 to 64-pin 0.5-mm-pitch LQFP

User's Manual

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 used in Japan.



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 M3T-F160-64NSD is a converter board for connecting the 160-core flexible cable FLX160 to a foot pattern for 64-pin 0.5-mm-pitch LQFP (64P6Q-A).

2. Package Components (See Figure 1)

(1) M3T-F160-64NSD converter board 1 pc.
$(2)\ \ NQPACK064SD-ND\ ({\it made\ by\ Tokyo\ Eletech\ Corporation})$
$(3) \ \ YQPACK064SD \ (\text{made by Tokyo Eletech Corporation})$
(4) $YQSOCKET064SDF\ (made by Tokyo\ Eletech\ Corporation)$
Pre-mounted on the converter board M3T-F160-64NSD
(5) YQ-GUIDE's (made by Tokyo Eletech Corporation)

(6) M3T-F160-64NSD User's Manual (This manual)

3. Specifications

Table 1 Specifications

Applicable package	64P6Q-A		
	(64-pin 0.5-mm-pitch LQFP)		
Insertion/removal	50 +:		
iterations of connector	50 times guaranteed		

4. Usage (See Figure 2)

The M3T-F160-64NSD can be used for debugging and board-mounted evaluation in common by mounting the NQPACK064SD-ND on the user system.

(1) For debugging

Mount the NQPACK064SD-ND on the foot pattern of the user system and attach the YQPACK064SD on it. And connect the probe of the emulation pod to the upper connector of the M3T-F160-64NSD. Then connect the YQPACK064SD and the M3T-F160-64NSD.

(2) For onboard evaluation

Mount an MCU with on-chip flash memory or QzROM and the HQPACK064SD (separately available) in that order on the NQPACK064SD-ND on the user system.

Before using the M3T-F160-64NSD, be sure to read "6. Precautions" on page 3.

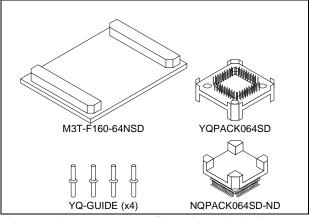


Figure 1 Package components of the M3T-F160-64NSD

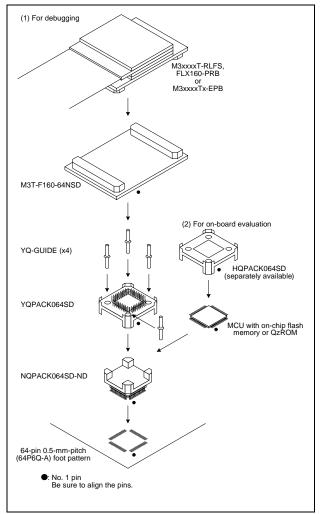


Figure 2 Usage of the M3T-F160-64NSD

5. External Dimensions and a Sample Foot Pattern

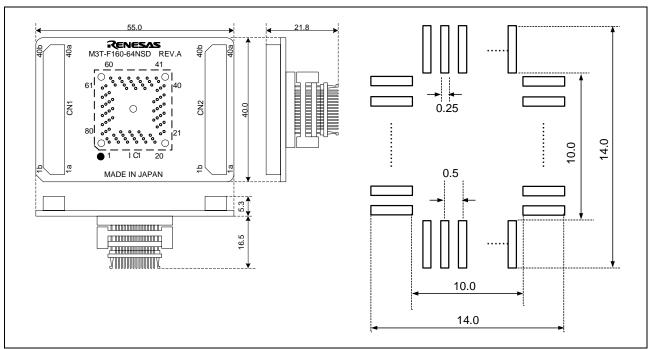


Figure 3 External dimensions and a sample foot pattern of the M3T-F160-64NSD

6. Precautions

⚠ CAUTION

Caution to Be Taken for This Product:



- When connecting the YQPACK064SD, be sure to use the included YQ-GUIDE's.
- Do NOT use the screws included with the YQPACK064SD for connecting the YQPACK064SD.

IMPORTANT

Notes on This Product:

- We cannot accept any request for repair.
- For purchasing the NQPACK064SD-ND, YQPACK064SD, HQPACK064SD, contact the following:

Tokyo Eletech Corporation Daimaru Kogyo Ltd.

http://www.tetc.co.jp/e_tet.htm http://www.daimarukogyo.co.jp/

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

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7. Correspondence of Connectors CN1 and CN2

Table 2 Correspondence of the connectors

No.	IC1	No.	IC1	No.	IC1	No.	IC1
CN1-1a	NC	CN1-1b	5	CN2-1a	-	CN2-1b	6
CN1-2a	4	CN1-2b	3	CN2-2a	7	CN2-2b	8
CN1-3a	-	CN1-3b	NC	CN2-3a	9	CN2-3b	10
CN1-4a	NC	CN1-4b	NC	CN2-4a	11	CN2-4b	12
CN1-5a	NC	CN1-5b	NC	CN2-5a	13	CN2-5b	14
CN1-6a	NC	CN1-6b	NC	CN2-6a	15	CN2-6b	16
CN1-7a	2	CN1-7b	NC	CN2-7a	17	CN2-7b	18
CN1-8a	1	CN1-8b	64	CN2-8a	-	CN2-8b	-
CN1-9a	63	CN1-9b	-	CN2-9a	-	CN2-9b	-
CN1-10a	-	CN1-10b	NC	CN2-10a	19	CN2-10b	-
CN1-11a	NC	CN1-11b	-	CN2-11a	-	CN2-11b	20
CN1-12a	62	CN1-12b	61	CN2-12a	21	CN2-12b	-
CN1-13a	60	CN1-13b	59	CN2-13a	22	CN2-13b	-
CN1-14a	58	CN1-14b	57	CN2-14a	23	CN2-14b	24
CN1-15a	56	CN1-15b	55	CN2-15a	25	CN2-15b	26
CN1-16a	54	CN1-16b	53	CN2-16a	27	CN2-16b	28
CN1-17a	52	CN1-17b	NC	CN2-17a	-	CN2-17b	-
CN1-18a	NC	CN1-18b	NC	CN2-18a	-	CN2-18b	-
CN1-19a	NC	CN1-19b	NC	CN2-19a	-	CN2-19b	-
CN1-20a	NC	CN1-20b	NC	CN2-20a	-	CN2-20b	-
CN1-21a	NC	CN1-21b	NC	CN2-21a	-	CN2-21b	-
CN1-22a	NC	CN1-22b	NC	CN2-22a	-	CN2-22b	-
CN1-23a	NC	CN1-23b	51	CN2-23a	-	CN2-23b	-
CN1-24a	50	CN1-24b	49	CN2-24a	-	CN2-24b	-
CN1-25a	48	CN1-25b	NC	CN2-25a	29	CN2-25b	30
CN1-26a	NC	CN1-26b	NC	CN2-26a	31	CN2-26b	32
CN1-27a	NC	CN1-27b	NC	CN2-27a	-	CN2-27b	-
CN1-28a	-	CN1-28b	-	CN2-28a	-	CN2-28b	-
CN1-29a	-	CN1-29b	-	CN2-29a	-	CN2-29b	-
CN1-30a	NC	CN1-30b	NC	CN2-30a	-	CN2-30b	-
CN1-31a	NC	CN1-31b	NC	CN2-31a	-	CN2-31b	33
CN1-32a	NC	CN1-32b	NC	CN2-32a	-	CN2-32b	34
CN1-33a	NC	CN1-33b	NC	CN2-33a	-	CN2-33b	35
CN1-34a	NC	CN1-34b	NC	CN2-34a	36	CN2-34b	37
CN1-35a	-	CN1-35b	-	CN2-35a	38	CN2-35b	39
CN1-36a	-	CN1-36b	-	CN2-36a	40	CN2-36b	41
CN1-37a	-	CN1-37b	47	CN2-37a	42	CN2-37b	43
CN1-38a	46	CN1-38b	45	CN2-38a	-	CN2-38b	-
CN1-39a	-	CN1-39b	44	CN2-39a	-	CN2-39b	-
CN1-40a	-	CN1-40b	NC	CN2-40a	-	CN2-40b	-

("-": No connection)

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