

To our customers,

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## Old Company Name in Catalogs and Other Documents

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Renesas Electronics Corporation

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# M3T-64DIP-DMS

Converter Board for Connecting 64-pin RSS Type Emulator MCU to 64-pin 0.8mm pitch QFP

## 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.

# 1. Description

M3T-64DIP-DMS is a converter board to connect the 64-pin RSS type emulator MCU to the DUMMY64 (not included). Using the DUMMY64, the M3T-64DIP-DMS converts the pin assignments of an emulator MCU for the 64-pin 0.8mm pitch QFP.

# 2. Package Components (see Figure 1)

- (1) 64DIP-DMS converter board
- (2) 64DIP-DMS User's Manual (this manual)

# 3. Specifications

Table 1 Specifications

Item	Description
Package	PRQP0064GA-A (formerly: 64P6N-A) (64-pin 0.8mm pitch QFP) 64D0 (64-pin 0.8mm pitch QFN)
Insertion/removal iterations of connector	20 times guaranteed

# 4. Application (see Figure 2)

Mount DUMMY64 on the QFP socket on the target, then connect it to the probe of the emulation pod.

# 5. Connection Procedure (see Figure 2)

To mount QFP socket

- (1) Mount the socket on the target.
  - \* Be sure to prepare a foot pattern for holding devices (4 corners) to solder the socket.
- (2) Mount the DUMMY64 on the socket.
- (3) Attach the socket frame to the socket.
- (4) Mount an emulator MCU on the 64DIP-DMS.
- (5) Connect the M38000TL2-FPD to the 64DIP-DMS.
- (6) Connect the M3T-64DIP-DMS to the DUMMY64.

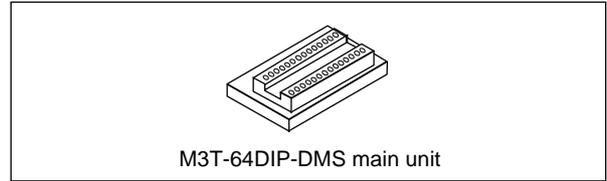


Figure 1 Package components of M3T-64DIP-DMS

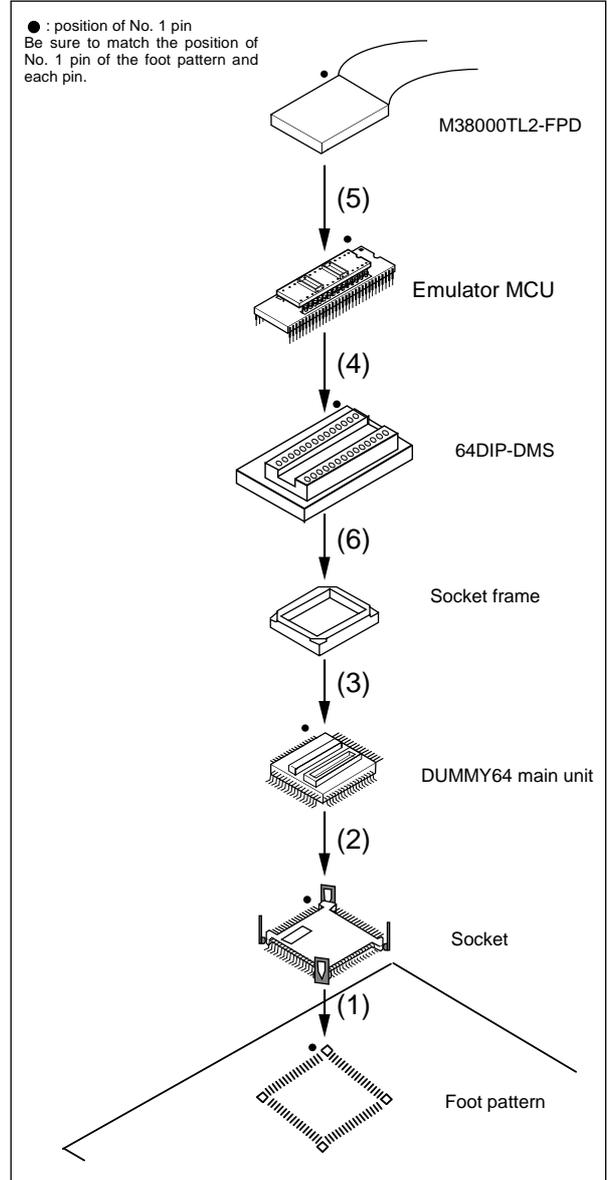


Figure 2 Usage of M3T-64DIP-DMS

## 6. External Dimensions of M3T-64DIP-DMS

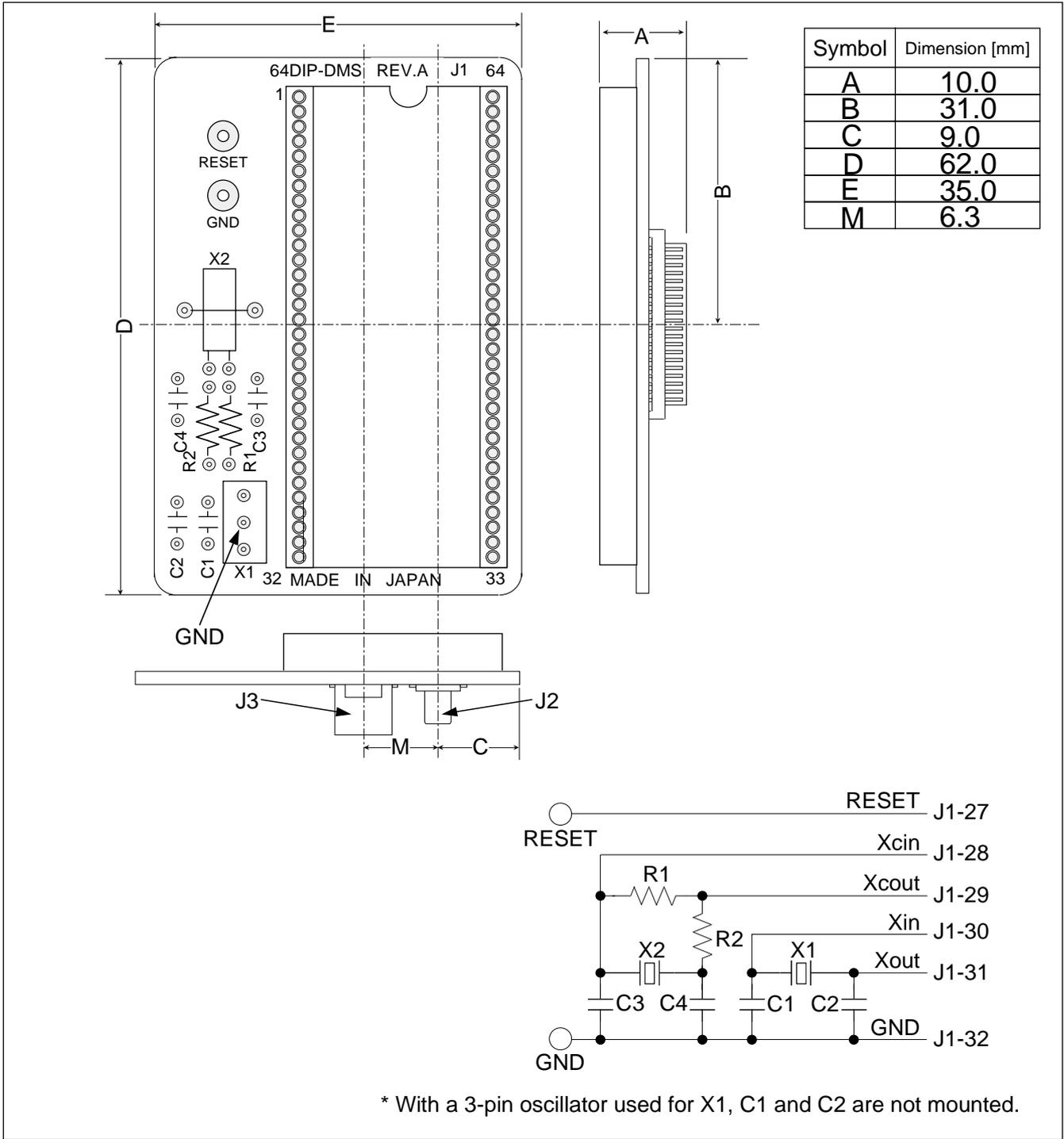


Figure 3 External dimensions of M3T-64DIP-DMS

## 7. Precautions

# IMPORTANT

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Renesas Tools Homepage <http://www.renesas.com/tools>

## 8. Correspondence of Connectors J1, J2 and J3

Table 2 lists the correspondence of connectors J1, J2 and J3

Table 2 Correspondence of connectors J1, J2 and J3

J1 connector pin No.	J2, J3 connector pin No.	J1 connector pin No.	J2, J3 connector pin No.	J1 connector pin No.	J2, J3 connector pin No.	J1 connector pin No.	J2, J3 connector pin No.
J1-1	J3-31	J1-17	J3-11	J1-33	J2-11	J1-49	J2-31
J1-2	J3-32	J1-18	J3-12	J1-34	J2-12	J1-50	J2-32
J1-3	J3-33	J1-19	J3-13	J1-35	J2-13	J1-51	J2-33
J1-4	J3-34	J1-20	J3-14	J1-36	J2-14	J1-52	J2-34
J1-5	J3-35	J1-21	J3-15	J1-37	J2-15	J1-53	J2-35
J1-6	J3-36	J1-22	J3-16	J1-38	J2-16	J1-54	J2-36
J1-7	J3-37	J1-23	J3-17	J1-39	J2-17	J1-55	J2-37
J1-8	J3-38	J1-24	J3-18	J1-40	J2-18	J1-56	J2-38
J1-9	J3-3	J1-25	J3-23	J1-41	J2-23	J1-57	J2-3
J1-10	J3-4	J1-26	J3-24	J1-42	J2-24	J1-58	J2-4
J1-11	J3-5	J1-27	J3-25	J1-43	J2-25	J1-59	J2-5
J1-12	J3-6	J1-28	J3-26	J1-44	J2-26	J1-60	J2-6
J1-13	J3-7	J1-29	J3-27	J1-45	J2-27	J1-61	J2-7
J1-14	J3-8	J1-30	J3-28	J1-46	J2-28	J1-62	J2-8
J1-15	J3-9	J1-31	J3-29	J1-47	J2-29	J1-63	J2-9
J1-16	J3-10	J1-32	J3-30	J1-48	J2-30	J1-64	J2-10

\* Pins of J2 and J3 connectors not listed here are not assigned.

Note:

Some part numbers in this user's manual can be referred to as the following.

In this manual      Actual part number

64DIP-DMS   -> M3T-64DIP-DMS

DUMMY64   -> M3T-DUMMY64