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CE2000

H8S Series Compact Emulator Optional Memory

Microcomputer Development Environment System

User's Manual

**Microcomputer
Development Environment System**

CE2000

**H8S Series Compact Emulator Optional Memory
User's Manual**

Compact Emulator Optional Memory for H8S Series Microcomputer User's Manual

Published by : Renesas System Solutions Asia Pte. Ltd.

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- **KEEP the user's manual handy for future reference.**

Do not attempt to use the emulator product until you fully understand its mechanism.

Compact Emulator Optional Memory:

Throughout this document, the term "SODIMM" shall be defined as the optional SIMM memory module for compact emulator produced only by Renesas System Solutions Asia Pte. Ltd. excludes all subsidiary products.

The user system or a host computer is not included in this definition.

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This emulator product is a software and hardware development tool for systems employing the H8S series microcomputer. This emulator product must only be used for the above purpose.

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Failure to do so could lead to danger for the operator or damaged to equipments.
2. Electrostatic Discharge Precautions (applies only to manuals for Renesas hardware products)
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Ensure appropriate precautions are observed during handling and accessing connections.
Failure to do so could result in damage to the equipment.

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Some figures in this user's manual may show items different from your actual system.

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Renesas cannot anticipate every possible circumstance that might involve a potential hazard. The warnings in this user's manual and on the emulator product are therefore not all inclusive. Therefore, you must use the emulator product safely at your own risk.

PREFACE

About this manual

This manual explains how to integrate the SODIMM into the Compact Emulator.

Section 1 Introduces to the product (SODIMM)

Section 2 Details the parts of the package

Section 3 Explains how to install the SODIMM into the Compact Emulator.

Section 4 Performs a self-diagnostic test with the standalone emulator

Section 5 Highlights the basic step of using the SODIMM

Assumptions

This manual assumes that the user has a working knowledge of

- Renesas Compact Emulator

Related Manuals:

- Compact Emulator User's Manual

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Section 1. Introduction

The optional memory, SODIMM is an optional item for the Compact Emulator. This is needed by user when the target system memory is not available. It provides 2Mbytes of memory for the user to map to any of the external area at zero wait state.

The SODIMM must only be used with the Renesas Compact Emulator.

Section 2. Package

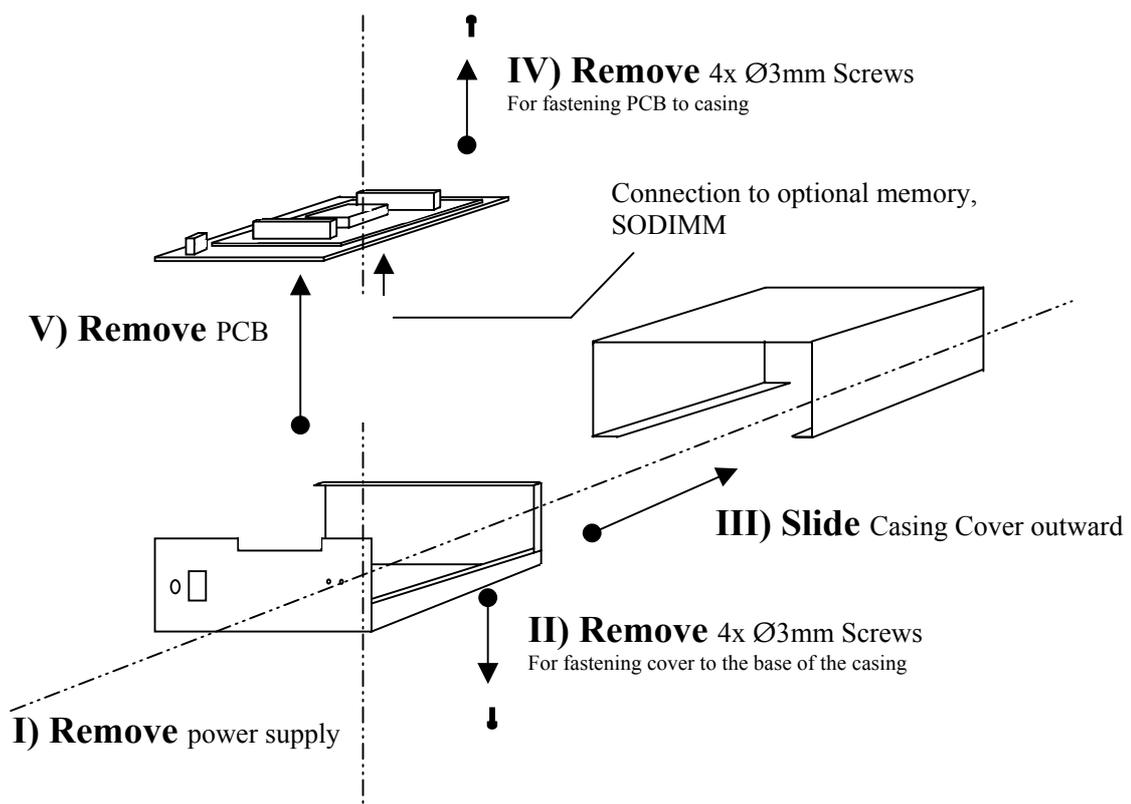
The package consists of

- i) 2MBytes SODIMM
- ii) User's Manual

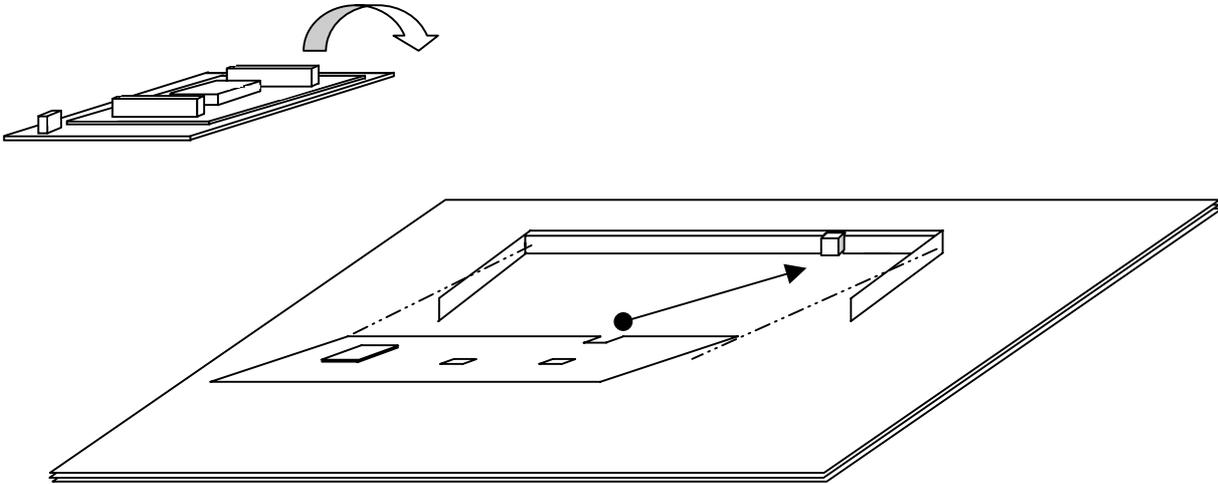
Section 3. Installation

User is advised to follow the procedures to install the SODIMM in the Compact Emulator.

- i. Switch off all power supply.
- ii. Remove 4x screws under the Compact Emulator casing.
(See that following diagram)
- iii. Remove the Compact Emulator casing.
- iv. Remove 4x screws that fasten the PCB onto the casing.
- v. Remove the PCB.



vi. Plug the SODIMM into the socket that is located at the bottom side of the PCB (See the following diagram).

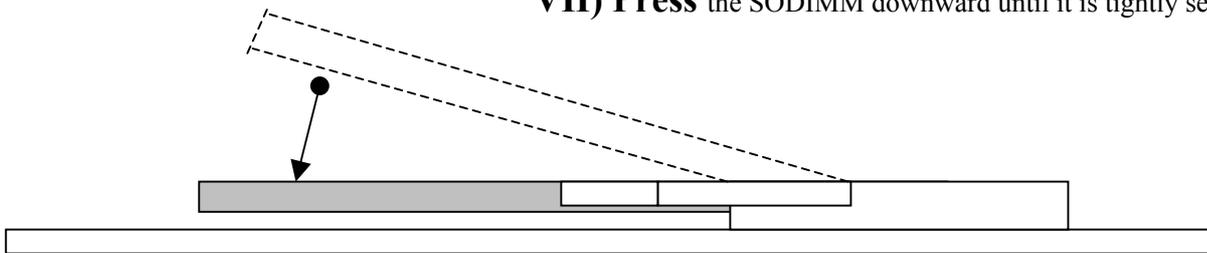


VI) Tilt and slide the SODIMM into the connector

Note: The SODIMM can be fitted at one side only (determined by the slot)

vii. Press the SODIMM board until it is parallel to the Main board. A click sound can be heard as both catches of the connector hold onto the SODIMM board.

VII) Press the SODIMM downward until it is tightly secured.



viii. Assemble the PCB back into the casing.

Section 4. Checking the System

User is advised to perform a self-check before using the emulator with the SODIMM.

- i. Power up the Compact Emulator without connecting the USB interface to the PC.
- ii. After 10 seconds, the Compact Emulator will enter into Self Test Mode. The emulator has the intelligence to detect the SODIMM and perform a full self test with the SODIMM.
- iii. Observe the LEDs. When the POWER LED blinks (signify the end of self test), the RUN LED is expected to be off (signify self test passes). Otherwise a RUN LED displayed in RED signifies a failure.
- iv. If the test fails, user is advised to re-connect the SODIMM and perform the test again.

Section 5. Using the Optional Memory

When the SODIMM is connected, user will notice the message “SODIMM connected” in the HDI’s System Status/Platform window. In order to use the SODIMM, user has to enable the memory at the desired address. Please refer to the Compact Emulator User’s Manual for the details.



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Compact Emulator Optional Memory

