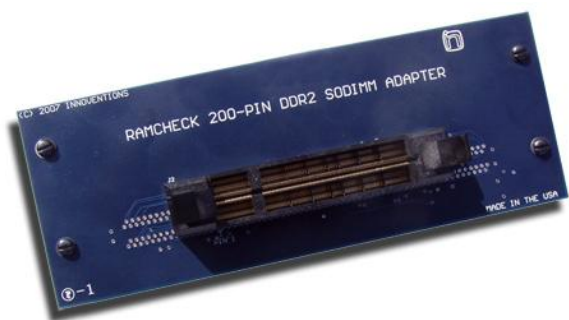


# RAMCHECK® DDR2



## Rugged Test Adapter For DDR2 SO-DIMM Modules

The RAMCHECK DDR2 SO-DIMM Adapter (p/n INN-8668-14) is the newest memory test adapter for RAMCHECK. Utilizing a rugged Yamaichi test socket designed specifically for high-volume testing, the DDR2 SO-DIMM Adapter tests 200-pin PC2-3200, PC2-4300 and PC2-5300 DDR2 unbuffered and registered DDR2 “laptop” SO-DIMM memory modules complying with JEDEC standards. It is also upward compatible with PC2-6400 DDR2 memory modules. (The RAMCHECK base unit required.)

### RAMCHECK DDR2 SODIMM Adapter Specificatic RAMCHECK DDR2 Key Features

#### Basic Test

- Identifies module type, size, configuration, voltage and frequency
- Checks open/short, addressing and identifies defective bits

#### Extensive Test

- Voltage Cycling, Voltage Bounce
- March Up/Down
- Special DDR2 Tests
- Temperature Stress Test

#### Auto-Loop Test

- Module is endlessly tested with different pattern bits
- Detects pattern sensitivity problems, excellent for burn-in procedure

#### Test Frequencies

- Test DDR2 SO-DIMM modules at 667MHz, 600MHz, 533MHz, 466MHz, 400MHz and 366MHz.
- Test frequencies automatically selected by the current test flow. Selected frequency can be optionally changed interactively by the user.
- Upward compatible to test PC2-6400 (800MHz) modules at reduced speed.
- Internal engine self test diagnostic reaches 733MHz and 800MHz.

#### DDR2 Test Parameters

- Trcd setup of 2, 3, 4, or 5.
- CAS Latency (CL) setup of 2, 3, 4, 5, 6. (Note: Not all modules support CL=2 and 6.)
- Additive Latency (AL) setup of 0, 1, 2, 3, 4.
- Write Recovery (WR) of 2, 4, 5, 6.
- OCD control of None, 50ohm, 75ohm, and optional 150ohm.
- Burst Length of 4 or 8.

#### Addressing Capability

- 16 Rows and 12 Columns addressing for 4GB modules. Test support added as larger modules are introduced to the market.

#### VDD Setup

- Uses digitally controlled state-of-the-art switching power supply for Vdd range of 1.45V to 2.2V.
- Voltage automatically defaults based on frequency to 1.8V-1.9V.
- User has interactive control of the wider range.

#### Data Bus Width

- x64

#### SPD Programming

- Edit/program/save SPD data, unlimited SPD files
- Production Mode for automated SPD programming
- Convenient SPD Wizard

- Tests and identifies 200-pin PC2-5300/4300/3200 DDR2 SO-DIMM modules at true clock speed. Upward compatible to test PC2-6400 module at reduced speed.
- Supports Registered, Unbuffered and ECC DDR2 SO-DIMM modules up to 4GB+.
- Reliable and affordable, very simple to operate – the module’s size, speed and structure are automatically detected by the tester. No need for user setup.
- Rugged Yamaichi test socket for heavy use.
- Very fast. Test a 1GB DDR2 SO-DIMM in less than one minute (Basic test).
- Automatic and user controlled test parameters of Trcd, CAS Latency (CL), Additive Latency (AL), Write Recovery (WR), OCD and more.
- Upgrade with free firmware upgrades available online.
- Includes powerful SPD Wizard for editing SPD files.

### General Specifications

#### Upgrades

Free firmware and PC software upgrades via the Internet.  
Optional DDR2 converter/adapters for a range of DDR2 formats.

#### Test Socket

Yamaichi 200-pin test socket, with rugged latches for easy insertion and removal of the modules.

#### Operating Temp/Humidity

3C to 32C (40 F to 90 degrees F), 20% - 80% non-condensing

#### Dimension/Weight

7" x 2.6" x 2.1" (W x L x H)/2 lbs (4 lbs shipping weight)

NOTE: These dimensions do not include the RAMCHECK base tester on which this adapter must be mounted.

#### Warranty

1-year limited warranty

Part number: INN-8668-14

Product operation and specifications are subject to change without prior notice.



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