

# Eureka2 DDR2 SODIMM 800 Mhz

## **NEW!** Innovative Memory Tester

CST Inc, a leading worldwide manufacturer of memory tester and automatic Handler is proud to introduce the new Eureka-II Memory Tester, specifically designed for high volume memory distributor, memory module manufacturers, and memory repair service centers

The Eureka-II DDR2 Tester support the standard 200pin SODIMM socket for testing the latest PC2-3200,PC2- 4300,PC2-5300, PC2-6400 DDR2 memory modules at “**Real Bus Speed**” and “**Real Cycle Time**”.

The Eureka-II DDR2 tester is designed and built with a flexible architecture which can support testing DDR, DDR2, DDR3 DIMM memory module with a change of optional Test Adapters.

New DDR2-Fault  
Focusing Algorithm  
& DC Parametric Test



### Eureka2 DDR2 Feature

#### Auto Identify:

- Memory Type: Registered or Unbuffered
- Memory Configuration
- Memory Size
- Memory Frequency
- Memory Latency
- ECC or Non-ECC

#### Real Bus Speed Testing

- Real Cycle Time
- Super Fast Test time( 512MB in 6secs)
- **OVERCLOCKING Capability up to 950 Mhz**

**NEW!**

#### Effective Test Algorithm

- Quick test, checks for assembly faults
- 20 Types of March test Pattern , to check for functional failures
- Programming and checking SPD
- **Fault Focusing pinpoints to faulty BGA chip**
- **DC Parametric/Leakage Test**

**NEW!**

#### Advanced Feature.

- Intuitive User PC Interface Software
- User configurable Test Pattern
- Auto-Speed Sorting Tool
- SHMOO-Plot and Error Mapping Tool
- Auto Timing Setup
- Current measurement
- Programmable DDR2 AC Parameters

#### Ez Upgrading

- Firmware upgrade via internet
- Support RoboFlex1 and RoboFlex2 Handler
- Interface with PC software via USB Port

### Eureka2 DDR2 Technical Specification

Clock Frequency	: 200, 266, 333 & 400 Mhz selectable
Data-rate	: 400,533,667 & 800 Mhz
Address depth	: 4 Giga-word ( 16 Row x 16 Col)
Data width	: Expandable 64 & 72 bit
Voltage range	: 1.3 to 2.5V with 50mV increment
ICC measurement	: IDD 0 – IDD7
CAS Latency	: 3, 4 ,5 & 6 Clocks
Trcd & Trp Adjustment	: 3, 4 ,5 & 6 Clocks
Burst Length	: 4 & 8
Write Latency	: 2 & 3 clock
ODT Adjustment	: 50, 75 ,150 ohm and Auto
OCD Calibration	: Auto Calibration
Refresh Cycle	: Auto / Self Refresh
DC Parametric Testing	: +/- 1 uA to 5mA
DC Test Pattern	: Walk Data , Walk Address , DQS, DQM, CKE, CS , and BA test
AC Test Pattern	: Mat-S, March-C, March-X, March Y( 23 Type March Pattern)
SPD Programming	: Read/Write & Editable Byte 0 – 255 Reversible SPD Write Protect

### General Specification

Single Site	
DDR2 Test Adapter	: 240 Pin DDR2 DIMM (Standard) : 200 Pin DDR2 SODIMM (Optional) : 60/84/92 Ball BGA Chip Adapter
Power Adapter	: Input 100 /250 Vac, 50 /60Hz ATX
Operating Temperature	: 15 ~110 Degree F
Host PC ( Not included)	: AMD or Intel P4 via USB interface
Operating System	: Microsoft Win98/2000, XP,Vista

**SIMMTESTER.COM**

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