

New DDR-III 1066Mhz

SP3000 DDR3 Memory Tester



CST Inc, leading worldwide manufacturer of memory tester and automation is proud to introduce the most affordable, high performance and stand alone DDR3 Memory DIMM Tester. This tester is specially designed for high volume memory distributors, memory module manufacturers, dealers and service depots.

The SP3000 DDR3 Tester comes with a standard 240pin DIMM socket for testing the latest PC3-6400 & PC3-8500 DDR3 memory modules at "Real Bus Speed" and "Real Cycle Time".

The SP3000 DDR3 tester is built with flexible architecture to also support DRAM, SDRAM, DDR, DDR2 & SGRAM memory module with a change of optional adapter.

SP3000 DDR3 Feature

Auto Identify:

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

Real Bus Speed Testing

- Real Cycle Time and At-Speed Testing
- Uses state-of-the-art DDR-III controller
- Super Fast Test time(512MB in 9secs)

Effective Test Algorithm

- Automatic Read/ Write Leveling & ZQ Calibration
- Quick test, checks for assembly faults
- Detail March test, checks for functional failures
- Programming and check SPD
- **Fault Focusing – pinpoint to faulty chip(s)**

Ease of Use

- Easy to read LCD display
- 5 Easy Push Button Selection
- Output bad results to printer
- Audible buzzer for pass/fail indication
- Colored LED for Test, Pass and Fail status

Ez Upgrading

- Firmware upgrade via internet
- Support wide range of test adapters
- Support RoboFlex1 and RoboFlex2 Handler
- Interface with PC software via RS232/USB Port
- Universal power supply

Technical Specification

Clock Frequency	: 400,533,Mhz selectable
Data-rate	: 800 & 1066Mhz
Address depth	: 4 Giga-word (16 Row x 12 Col)
Data width	: 64 & 72 bit
Mirror Mode	: Automatic
Voltage range	: 1.4,1.5,1.6,1.7,1.8,1.9 & 2.0 Volts
CAS Read Latency	: 5,6 ,7,8 ,9 & 10 Clocks
Trcd & Trp Adjustment	: 5,6 ,7 8,9,& 10 Clocks
Cas Write Latency	: 5,6,7 & 8 Clocks
Internal bank	: 8 Banks
Burst Chop Mode	: Fixed BL8, BL4 & On the Fly
Dynamic ODT selection	: 40,60 & 120 ohm (Auto Select)
ZQ adjustment	: Auto Calibration
Refresh Cycle	: Auto / Self Refresh
Static Test Pattern	: Walk Data , Walk Address , DQS, DQM, CKE, CS, ODT and BA test
Dynamic Test Pattern	: Mat-S, March-C, March-X, March Y and Moving Inversion
SPD Programming	: Read/Write & Editable Byte 0 – 255 Reversible SPD Write Protect

General Specification

DDR3 Test Adapter	: 240 Pin DDR3 DIMM (Standard) 204 Pin DDR3 SODIMM (Optional)
Power Adapter	: input 100 /250 Vac, 50 /60Hz Output 12 VDC @ 3A
Operating Temperature	: 15 ~110 Degree F
Dimension	: 9.25" x 9.25" x 2"
Weight	: 6 pounds

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