

# New DDR3 LC

## SP3000 DDR3 LC DIMM Tester



CST Inc, leading worldwide manufacturer of memory tester and automation is proud to introduce the Stand alone SP3000 DDR3 LC DIMM “Open/Short” Tester designed for detecting assembly faults on DIMM/SODIMM memory.

This SP3000 DDR3 LC tester is specially targeted at the high-volume memory module manufacturers.

The SP3000 DDR3 LC DIMM Tester is packaged with a standard 240pin DIMM socket for testing the latest PC3-6400, PC3-8500, PC3-10666 and future higher speed DDR3 memory modules.

The SP3000 DDR3 LC DIMM Tester is built with flexible architecture to support DDR3 SODIMM memory module testing with a change of optional adapter.

### SP3000 DDR3 LC Feature

#### Auto Identify:

- **Memory Type: 240pin DIMM Unbuffered and RDIMM Memory**
- Memory Configuration
- Memory Size
- ECC or Non-ECC

#### Fast Speed Assembly Testing

- Uses state-of-the-art DDR-III controller
- **Super Fast Assembly Test ( 1 GB in 20secs)**

#### Effective Test Algorithm

- Quick test, checks for assembly faults such as missing VTT Resistors, Clock and incorrect series resistors
- Detail March test, checks for functional failures
- Programming and check SPD
- **Fault Focusing – pinpoints 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 RoboFlex Handler
- Interface with PC software via RS232 Port
- Universal power supply

### Technical Specification

Clock Frequency	: Fixed
Address depth	: 4 Giga-word ( 16 Row x 12 Col)
Data width	: 64 / 72 bit
CAS Latency	: Fixed
Voltage range	: 1.4,1.5,1.6,1.7,1.8,1.9 & 2.0 Volts
No of Rank	: 1,2 & 4 Ranks
Internal bank	: 8 Banks
Burst Chop Mode	: Fixed
ZQ adjustment	: Fixed
Refresh Cycle	: Auto
DC Test Pattern	: Walk Data , Walk Address , Leak VTT, Leak SR
AC Test Pattern	: Mat
SPD Programming	: Read/Write & Editable Byte 0 – 255 Reversible SPD Write Protect

### General Specification

DDR3 LC 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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