

New DDR3 1333Mhz

SP3000 DDR3 BGA POGO PIN Chip Tester



CST Inc, a leading worldwide manufacturer of Memory tester and automatic is proud to introduce the most affordable, high performance stand alone DDR3 POGO PIN Chip Memory Tester, specifically designed for Memory Module Manufacturers and RMA Repair/ Service Depot.

The "SP3000 DDR3 POGO pin chip adapter" is built to work with CST SP3000 base tester, which enable user to swap interchangeable DDR2, DDR, SDRAM & DRAM test adapters. With a simple push-button the SP3000-DDR3-POGO PIN Chip tester can quickly auto-identify and displays the memory chip size, clock frequency and latency of the memory chip. Unlike DIMM shape chip converter/fixture, which can give uncertain test result, the SP3000-DDR3 POGO-PIN Chip Test sockets are fully buffered and isolated for "no confuse" fault detection. **POGO-pin test socket will test BGA chips with or without solder balls.**

The SP3000 DDR3 BGA Chip Adapter comes standard with a Clam-Shell High Performance Test socket for testing the latest 800, 1066 & 1333 Mhz DDR3 memory devices at "Real Bus Speed" and "Real Cycle Time". DDR3 Chips can be tested in a Gang of 4 chips or single chips.

The SP3000 DDR3 Chip Adapter offers a wide variety of "Patent-Pending Inserts" which seats on top of the POGO PIN Test socket to support testing all the different types of DDR3 BGA package size.



SP3000 DDR3 Chip Feature

Auto Identify:

- Memory Configuration
- Memory Size
- Memory Frequency
- Memory Latency

Real Bus Speed Testing

- Real Cycle Time
- Uses state-of-the-art- DDR-III controller
- Super Fast Test time(1GB chip in 10 sec)

Effective Test Algorithm

- Quick test, checks for Chip packaging faults
- Detail March test, checks for functional failures
- **Fault Focusing – pinpoints faulty pins**
- **Test in Gang of 4 or Single Chip**

Ease of Use

- Easy to read LCD display
- 5 Easy Push Button Selection
- Output bad results to printer
- 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
- Interface with PC software via RS232 Port
- Universal power supply

Tester Technical Specification

Clock Frequency	: 400, 533 ,667 Mhz selectable
Data-rate	: 800, 1066 , 1333 Mhz
Address depth	: 4 Giga-word (16 Row x 16 Col)
Data width	: x 4, x 8 x 16 Bit
Voltage range	: 1.4, 1.5 ,1.6,1.7,1.8,1.9 & 2V (5 %)
CAS 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 Mode	: Fixed 8, 4 & On the Fly
ODT selection	: 40, 60 & 120 ohm auto select
ZQ adjustment	: Auto Calibration
Refresh Cycle	: Auto / Self Refresh
DC Test Pattern	: Walk Data , Walk Address , DQS, DQM, CKE, CS , ODT and BA test
AC Test Pattern	: Mat-S, March-C, March-X, March Y and Moving Inversion

DDR3 BGA POGO PIN TEST Socket

Mechanical

- Contact force : 10 +/- 3 g.f
- Temperature rating : 55 ~ 150 degree C
- Cover actuation force : 2.5 +/- 1 kg f
- Life cycle : 10,000 cycle min (1 cycle = load /unload)

Electrical

- Contact self inductance :10 NH maximum @ 50Mhz
- Contact resistance : 50mohm
- Insulation resistance : 1000 mohm
- Withstand voltage : 100 Vac
- Current rating : 1 Amp

NEW!

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