

SMART Memory Test Lab Report



| MOTHERBOARD | MANUFACTURER | CHIPSET | TEST NUMBER | TEST STATUS |
|-------------|--------------|------------|-------------|-------------|
| S5520HCR | INTEL | INTEL 5520 | SMTL0022 | PASS |

Module Information

| | | | |
|-----------------------|---------------------|-------------------|--------------------------|
| Manufacturer Name: | SMART MODULAR TECH | Module Type: | DDR3 REGISTERED ECC DIMM |
| Manufacturer P/N: | SG1027RD351293-SC | CAS Latency: | C999 |
| Memory Capacity: | 8GB | Assembly Type: | SINGLE BOARD NON STACKED |
| Module Configuration: | 6 PER CPU /12 TOTAL | Low Profile: | NO |
| DRAM Supplier: | SAMSUNG | Register P/N: | INPHI INSSTE32882LV-GS02 |
| DRAM Part Number: | K4B2G0446C-HCH9 | PLL P/N: | N/A |
| PCB Part Number: | IK70CH1 | Dual Die Package: | . |
| PCB Layer Count: | 6 | Comment: | |

MINIMUM SYSTEM INFORMATION

| | |
|-----------------|--------------------------|
| System Name: | S5520HCR |
| Serial Number: | QSHN00401201 |
| BIOS Version: | AMI S5500.86B.01.00.0045 |
| Processor Code: | INTEL XEON X5550 |
| OS Memory Size: | 48GB |
| OS Version: | LINUX SMP 2.6.28.10 |
| Test Version: | HPL XLINPAK 10.2.3 MKL |
| Comment: | |

MAXIMUM SYSTEM INFORMATION

| | |
|-----------------|--------------------------|
| System Name: | S5520HCR |
| Serial Number: | QSHN00401201 |
| BIOS Version: | AMI S5500.86B.01.00.0045 |
| Processor Code: | INTEL XEON X5550 |
| OS Memory Size: | 96GB |
| OS Version: | LINUX SMP 2.6.28.10 |
| Test Version: | HPL XLINPAK 10.2.3.MKL |
| Comment: | |

PRE-TESTING INFORMATION

| | |
|-------------------------------|-----------|
| Board Revision: | |
| Insertion Test: | PASS |
| SPD Check: | PASS |
| DDR Speed Check: | PASS |
| Boot Time: | 1 MIN |
| Voltage Margining Info | |
| Volt % | +/-3% |
| Volt Low | 1.45 volt |
| Volt High | 1.55 volt |

TESTING DETAILS FOR VOLT LOW

| | | | |
|------------------|-----|-------|-----------|
| Temperature: | 55C | Time: | 12HRS |
| Start Date: | | | 7/9/2010 |
| Stop Date: | | | 7/20/2010 |
| HPL Test Status: | | | PASS |
| DDR Speed: | | | 1333MHz |
| Summary Min: | | | P |
| Summary Max: | | | P |
| Test Status: | | | PASS |

TESTING DETAILS FOR VOLT HIGH

| | | | |
|------------------|-----|-------|-----------|
| Temperature: | 55C | Time: | 12HRS |
| Start Date: | | | 7/12/2010 |
| Stop Date: | | | 7/21/2010 |
| HPL Test Status: | | | PASS |
| DDR Speed: | | | 1333MHz |
| Summary Min: | | | P |
| Summary Max: | | | P |
| Test Status: | | | PASS |

Serial Number List

| | | | |
|---------------------|----------------------|----------------------|----------------------|
| 1) SFR2010070798490 | 2) SFR2010070798491 | 3) SFR2010070798496 | 4) SFR2010070798497 |
| 5) SFR2010070798500 | 6) SFR2010070798492 | 7) SFR2010070798493 | 8) SFR2010070798498 |
| 9) SFR2010070798499 | 10) SFR2010070798487 | 11) SFR2010070798488 | 12) SFR2010070798499 |
| 13) | 14) | 15) | 16) |

CONTACT INFORMATION

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Test Traveler Notes:

VERIFICATION

Verified by: Jim Schwarz

Test Technician: Mark Durand

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