

# SMART Memory Test Lab Report



MOTHERBOARD	MANUFACTURER	CHIPSET	TEST NUMBER	TEST STATUS
S5520URT	INTEL	INTEL 5520	SMTL0078	PASS

### Module Information

Manufacturer Name:	SMART MODULAR TECH	Module Type:	DDR3 REGISTERED ECC DIMM
Manufacturer P/N:	SG5127RD325693SF	CAS Latency:	C999
Memory Capacity:	4GB	Assembly Type:	SINGLE BOARD NON STACKED
Module Configuration:	6 PER CPU /12 TOTAL	Low Profile:	NO
DRAM Supplier:	SAMSUNG	Register P/N:	IDT IDTSSTE32882-HLBAKG
DRAM Part Number:	K4B1G0446F-HCH9	PLL P/N:	N/A
PCB Part Number:	PH5BG240NESH3RE	Dual Die Package:	MONOLITHIC
PCB Layer Count:	10	Comment:	

### MINIMUM SYSTEM INFORMATION

System Name:	S5520URT
Serial Number:	BZUB02700996
BIOS Version:	AMI S5500.86B.01.00.0049
Processor Code:	INTEL XEON X5670
OS Memory Size:	24GB
OS Version:	LINUX SMP 2.6.36
Test Version:	HPL XLINPAK 10.3.0
Comment:	

### MAXIMUM SYSTEM INFORMATION

System Name:	S5520URT
Serial Number:	BZUB02700996
BIOS Version:	AMI S5500.86B.01.00.0049
Processor Code:	INTEL XEON X5670
OS Memory Size:	48GB
OS Version:	LINUX SMP 2.6.36
Test Version:	HPL XLINPAK 10.3.0
Comment:	

### PRE-TESTING INFORMATION

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

### TESTING DETAILS FOR VOLT LOW

Temperature:	55C	Time:	12HRS
Start Date:	12/21/2010		
Stop Date:	12/22/2010		
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:	1/3/2011		
Stop Date:	1/4/2011		
HPL Test Status:	PASS		
DDR Speed:	1333MHz		
Summary Min:	P		
Summary Max:	P		
Test Status:	PASS		

### Serial Number List

1) SFR2010032700017	2) SFR2010032700037	3) SFR2010032700039	4) SFR2010032700038
5) SFR2010032700031	6) SFR2010032700027	7) SFR2010032700028	8) SFR2010032700029
9) SFR2010032700022	10) SFR2010032700033	11) SFR2010032700036	12) SFR2010032700018
13) SFR2010032700020	14) SFR2010032700021	15)	16)

### CONTACT INFORMATION

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Test Traveler Notes:

VERIFICATION

Verified by: Jim Schwarz

Test Technician: Mark Durand

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