

# SMART Memory Test Lab Report



MOTHERBOARD	MANUFACTURER	CHIPSET	TEST NUMBER	TEST STATUS
X9DBU-3F	SUPERMICRO®	Intel® C606	SMTL0249	PASS

### Module Information

Manufacturer Name:	SMART MODULAR TECH®	Module Type:	DDR3 Registered ECC DIMM
Manufacturer P/N:	SG2567RV325816MK	CAS Latency:	C999
Memory Capacity:	2GB	Assembly Type:	SINGLE BOARD NON STACKED
Module Configuration:	6 PER CPU/12 TOTAL	Low Profile:	NO
DRAM Supplier:	MICRON	Register P/N:	IDT SSTE32882KA1 AKG
DRAM Part Number:	3AK72 D9PSH	PLL P/N:	N/A
PCB Part Number:	D1K1L	Dual Die Package:	MONOLITHIC
PCB Layer Count:	6	Comment:	

### MINIMUM SYSTEM INFORMATION

System Name:	X9DBU-3F
Serial Number:	OM27S30151
BIOS Version:	AMI 1.00 05/11/2012
Processor Code:	INTEL® XEON® E5-2448L
OS Memory Size:	12GB
OS Version:	LINUX 3.8.1.x86_64
Test Version:	INTEL® XLINPACK 11.0.3
Comment:	

### MAXIMUM SYSTEM INFORMATION

System Name:	X9DBU-3F
Serial Number:	OM27S30151
BIOS Version:	AMI 1.00 05/11/2012
Processor Code:	INTEL® XEON® E5-2448L
OS Memory Size:	24GB
OS Version:	LINUX 3.8.1.x86_64
Test Version:	INTEL® XLINPACK 11.0.3
Comment:	

### PRE-TESTING INFORMATION

Board Revision:	1.10
Insertion Test:	PASS
SPD Check:	PASS
DDR Speed Check:	PASS
Boot Time:	1 MIN

### Voltage Margining Info

Volt %	+/-3%
Volt Low	1.31 volt
Volt High	1.39 volt

### TESTING DETAILS NOMINAL VOLT

Temperature:	45C	Time:	12HRS
Start Date:			6/25/2013
Stop Date:			6/26/2013
HPL Test Status:			PASS
Speed / Volts Light:			1333 / 1.35
Speed / Volts Heavy:			1333 / 1.35
Summary Min:			P
Summary Max:			P

System tested without voltage Margining.  
Test Status: PASS

### TESTING DETAILS FOR VOLT HIGH

Temperature:		Time:	
Start Date:			
Stop Date:			
HPL Test Status:			
DDR Speed Light:			
DDR Speed Heavy:			
Summary Min:			
Summary Max:			

System tested without voltage Margining.  
Test Status:

### Serial Number List

1) SFR2013052800458	2) SFR2013052800459	3) SFR2013052800461	4) SFR2013052800462
5) SFR2013052800463	6) SFR2013052800464	7) SFR2013052800465	8) SFR2013052800466
9) SFR2013052800468	10) SFR2013052800470	11) SFR2013052800471	12) SFR2013052800474
13)	14)	15)	16)

### CONTACT INFORMATION

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### VERIFICATION

Light DDR Speed @ Volt: 2.45A 1333MHz @ 1.35V  
Heavy DDR Speed @ Volt: 5.79A 1333 MHz @ 1.35V  
Modules are 1600MHz; BIOS Downgrades to 1333MHz for 1.35V  
Test Technician: Mark Durand

Verified by: Jim Schwarz