

# SMART Memory Test Lab Report



MOTHERBOARD	MANUFACTURER	CHIPSET	TEST NUMBER	TEST STATUS	
X9DBU-3F	SUPERMICRO®	Intel® C606	SMTL0308	PASS	
<b>Module Information</b>					
Manufacturer Name:	SMART MODULAR TECH®	Module Type:	DDR3 Registered ECC DIMM		
Manufacturer P/N:	SH5127RV351816SE	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 SSTE32882KA1 AKG		
DRAM Part Number:	K4B4G0846E BYK0	PLL P/N:	N/A		
PCB Part Number:	D3R18A-A1	Dual Die Package:	MONOLITHIC		
PCB Layer Count:	6	Comment:			
<b>MINIMUM SYSTEM INFORMATION</b>		<b>MAXIMUM SYSTEM INFORMATION</b>			
System Name:	X9DBU-3F	System Name:	X9DBU-3F		
Serial Number:	OM27S30151	Serial Number:	OM27S30151		
BIOS Version:	AMI 1.00 05/11/2012	BIOS Version:	AMI 1.00 05/11/201		
Processor Code:	INTEL® XEON® E5-2448L	Processor Code:	INTEL® XEON® E5-2448L		
OS Memory Size:	24GB	OS Memory Size:	48GB		
OS Version:	LINUX 3.8.1.x86_64	OS Version:	LINUX 3.8.1.x86_64		
Test Version:	R4.0Y HPL LINPACK_11.0.3	Test Version:	INTEL® XLINPACK 11.0.3		
Comment:		Comment:			
<b>PRE-TESTING INFORMATION</b>		<b>TESTING DETAILS NOMINAL VOLT</b>		<b>TESTING DETAILS FOR VOLT HIGH</b>	
Board Revision:	1.10	Temperature:	45C	Time:	12HRS
Insertion Test:	PASS	Start Date:		Start Date:	
SPD Check:	PASS	Stop Date:		Stop Date:	
DDR Speed Check:	PASS	HPL Test Status:	PASS	HPL Test Status:	
Boot Time:	1 MIN	Speed / Volts Light:	1333 / 1.35	DDR Speed Light:	
		Speed / Volts Heavy:	1333 / 1.35	DDR Speed Heavy:	
		Summary Min:	P	Summary Min:	
		Summary Max:	P	Summary Max:	
<b>Voltage Margining Info</b>		System tested without voltage Margining.		System tested without voltage Margining.	
Volt %	+/-3%	Test Status: PASS		Test Status:	
Volt Low	1.31 volt				
Volt High	1.39 volt				
<b>Serial Number List</b>					
1) SFR2015092301635	2) SFR2015092301636	3) SFR2015092301637	4) SFR2015092301638		
5) SFR2015092301639	6) SFR2015092301640	7) SFR2015092301641	8) SFR2015092301642		
9) SFR2015092301643	10) SFR2015092301644	11) SFR2015092301645	12) SFR2015092301646		
13) _____	14) _____	15) _____	16) _____		
<b>CONTACT INFORMATION</b>					
Contact:	Arthur Sainio	Phone:	1-510-624-8126	e-mail: <a href="mailto:arthur.sainio@smartm.com">arthur.sainio@smartm.com</a>	
				<b>VERIFICATION</b>	
Light DDR Speed @ Volt: 5.06A 1333MHz @ 1.35V				Verified by: Arthur Sainio	
Heavy DDR Speed @ Volt: 10.68A 1333 MHz @ 1.35V					
Modules are 1600MHz; BIOS Downgrades to 1333MHz for 1.35V					
Test Technician: Mark Durand					

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