

SMART Memory Test Lab Report



MOTHERBOARD	MANUFACTURER	CHIPSET	TEST NUMBER	TEST STATUS
X10DRC-LN4+	SUPERMICRO®	INTEL® C612 EX	SMTL0301	PASS
Module Information				
Manufacturer Name:	SMART MODULAR TECH	Module Type:	DDR3 Registered ECC DIMM	
Manufacturer P/N:	SH1027RD410451-SD	CAS Latency:	C15-15-15	
Memory Capacity:	8GB	Assembly Type:	SINGLE BOARD NON STACKED	
Module Configuration:	12 PER CPU/24 TOTAL	Low Profile:	NO	
DRAM Supplier:	SAMSUNG	Register P/N:	IDT 4RCD0124KC0 ATG	
DRAM Part Number:	K4A4GO45WD PCPB	PLL P/N:	N/A	
PCB Part Number:	M393A1G40DB0-V07	Dual Die Package:	MONOLITHIC	
PCB Layer Count:	6	Comment:		
MINIMUM SYSTEM INFORMATION		MAXIMUM SYSTEM INFORMATION		
System Name:	X10DRC-LN4+	System Name:	X10DRC-LN4+	
Serial Number:	VM1485022287	Serial Number:	VM1485022287	
BIOS Version:	1.0b	BIOS Version:	1.0b	
Processor Code:	INTEL® XEON® E5-2650 V3	Processor Code:	INTEL® XEON® E5-2650 V3	
OS Memory Size:	64GB	OS Memory Size:	128GB	
OS Version:	LINUX 3.8.1.x86_64	OS Version:	LINUX 3.8.1.x86_64	
Test Version:	INTEL® XLINPACK 11.0.3	Test Version:	INTEL® XLINPACK 11.0.3	
Comment:		Comment:		
PRE-TESTING INFORMATION		TESTING DETAILS VOLT NOMINAL		TESTING DETAILS VOLT NOMINAL
Board Revision:	REV 1.01	Temperature:	45C	Time: 12HRS
Insertion Test:	PASS	Start Date:	5/1/2015	Start Date: 5/1/2015
SPD Check:	PASS	Stop Date:	5/4/2015	Stop Date: 5/4/2015
DDR Speed Check:	PASS	HPL Test Status:	PASS	HPL Test Status: PASS
Boot Time:	1 MIN	Speed / Volts Light:	2133 / 1.2V	DDR Speed Light: 2133 / 1.2V
		Speed / Volts Heavy:	1866 / 1.2V	DDR Speed Heavy: 1866 / 1.2V
		Summary Min:	P	Summary Min: P
		Summary Max:	P	Summary Max: P
Voltage Margining Info				
Volt %	+/-3%			
Volt Low	1.16 volt			
Volt High	1.24 volt			
		Test Status:	PASS	Test Status: PASS
Serial Number List				
1) SFR2015042793108	2) SFR2015042793109	3) SFR2015042793110	4) SFR2015042793111	
5) SFR2015042793112	6) SFR2015042793113	7) SFR2015042793114	8) SFR2015042793115	
9) SFR2015042793118	10) SFR2015042793119	11) SFR2015042793120	12) SFR2015042793121	
13) SFR2015042793122	14) SFR2015042793123	15) SFR2015042793124	16) SFR2015042793125	
CONTACT INFORMATION				
Contact:	Arthur Sainio	Phone:	1-510-624-8126	e-mail: arthur.sainio@smartm.com
Test Traveler Notes:			VERIFICATION	
SYSTEM VOLTAGE SET AT 1.2 VOLTS NOMINAL			Verified by: ARTHUR SAINIO	
MB has 24 slots (3DPC). For tested DIMM, heavy is 16 DIMM (2DPC) & light is 8 DIMM (1DPC).				
Test Technician:	Mark Durand			

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