

# SMART Memory Test Lab Report



MOTHERBOARD	MANUFACTURER	CHIPSET	TEST NUMBER	TEST STATUS
X10DRC-LN4+	SUPERMICRO®	INTEL® C612 EX	SMTL0302	PASS
<b>Module Information</b>				
Manufacturer Name:	SMART MODULAR TECH	Module Type:	DDR3 Registered ECC DIMM	
Manufacturer P/N:	SH2047RD410451-SD	CAS Latency:	C15-15-15	
Memory Capacity:	16GB	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:	M393A2G40DB0-V05	Dual Die Package:	MONOLITHIC	
PCB Layer Count:	6	Comment:		
<b>MINIMUM SYSTEM INFORMATION</b>		<b>MAXIMUM SYSTEM INFORMATION</b>		
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:	128GB	OS Memory Size:		
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:		
<b>PRE-TESTING INFORMATION</b>		<b>TESTING DETAILS VOLT NOMINAL</b>		<b>TESTING DETAILS VOLT NOMINAL</b>
Board Revision:	REV 1.01	Temperature:	45C	Time: 12HRS
Insertion Test:	PASS	Start Date:	5/4/2015	Temperature: 0C
SPD Check:	PASS	Stop Date:	5/5/2015	Time: 12HRS
DDR Speed Check:	PASS	HPL Test Status:	PASS	Start Date:
Boot Time:	1 MIN	Speed / Volts Light:	2133 / 1.2V	Stop Date:
<b>Voltage Margining Info</b>		Speed / Volts Heavy:		HPL Test Status:
Volt %	+/-3%	Summary Min:	P	PASS
Volt Low	1.16 volt	Summary Max:		DDR Speed Light:
Volt High	1.24 volt	Test Status:	PASS	2133 / 1.2V
				DDR Speed Heavy:
				Summary Min:
				P
				Summary Max:
				Test Status:
				PASS
<b>Serial Number List</b>				
1) SFR2015042793192	2) SFR2015042793193	3) SFR2015042793194	4) SFR2015042793195	
5) SFR2015042793196	6) SFR2015042793197	7) SFR2015042793199	8) SFR2015042793100	
9)	10)	11)	12)	
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>
Test Traveler Notes:			VERIFICATION	
SYSTEM VOLTAGE SET AT 1.2 VOLTS NOMINAL LIGHT TESTED 8 MODULES MB has 24 slots (3DPC). For tested DIMM, heavy is 16 DIMM (2DPC) & light is 8 DIMM (1DPC).			Verified by: ARTHUR SAINIO	
Test Technician: Mark Durand				

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