

SMART Memory Test Lab Report



MOTHERBOARD	MANUFACTURER	CHIPSET	TEST NUMBER	TEST STATUS
X10DRi	SUPERMICRO®	Intel® C612	SMTL0314	PASS

Module Information			
Manufacturer Name:	SMART MODULAR TECH	Module Type:	DDR4 Registered ECC DIMM
Manufacturer P/N:	SH4097RD420472-SB	CAS Latency:	C17-17-17 @2400
Memory Capacity:	32GB	Assembly Type:	SINGLE BOARD NON STACKED
Module Configuration:	8 PER CPU/16 TOTAL	Low Profile:	NO
DRAM Supplier:	SAMSUNG	Register P/N:	IDT 4RCD0124KC0 ATG
DRAM Part Number:	K4A8G04 5WB BCRC	PLL P/N:	N/A
PCB Part Number:	M393A4K40BB1-V05	Dual Die Package:	MONOLITHIC
PCB Layer Count:	6	Comment:	

MINIMUM SYSTEM INFORMATION		MAXIMUM SYSTEM INFORMATION	
System Name:	X10DRi	System Name:	X10DRi
Serial Number:	NM16151S020925	Serial Number:	NM16151S020925
BIOS Version:	2.1	BIOS Version:	2.1
Processor Code:	INTEL® XEON E5-2650 V4	Processor Code:	INTEL® XEON E5-2650 V4
OS Memory Size:	256GB	OS Memory Size:	512GB
OS Version:	LINUX 3.8.1x86_64	OS Version:	LINUX 3.8.1.x86_64
Test Version:	R4.1C HPL LINPACK_11.0.3	Test Version:	R4.1C HPL LINPACK_11.0.3
Comment:		Comment:	

PRE-TESTING INFORMATION		TESTING DETAILS VOLT NOMINAL		TESTING DETAILS VOLT NOMINAL	
Board Revision:	REV 1.02B	Temperature:	40C	Time:	12Hr
Insertion Test:	PASS	Start Date:	11/29/2016	Temperature:	0C
SPD Check:	PASS	Stop Date:	12/1/2016	Time:	12Hr
DDR Speed Check:	PASS	HPL Test Status:	PASS	Start Date:	11/29/2016
Boot Time:	1 MIN	Speed / Volts Light:	2400 / 1.2V	Stop Date:	12/1/2016
		Speed / Volts Heavy:	2400 / 1.2V	HPL Test Status:	PASS
		Summary Min:	P	DDR Speed Light:	2400 / 1.2V
		Summary Max:	P	DDR Speed Heavy:	2133 / 1.2V
				Summary Min:	P
				Summary Max:	P
Voltage Margining Info					
Volt %					
Volt Low					
Volt High					
		Test Status:	PASS	Test Status:	PASS

Serial Number List			
1) SFR2016111489747	2) SFR2016111489748	3) SFR2016111489749	4) SFR2016111489750
5) SFR2016111489751	6) SFR2016111489752	7) SFR2016111489753	8) SFR2016111489754
9) SFR2016111489755	10) SFR2016111489756	11) SFR2016111489757	12) SFR2016111489758
13) SFR2016111489759	14) SFR2016111489763	15) SFR2016111489764	16) SFR2016111489765
17)	18)	19)	20)
21)	22)	23)	24)

CONTACT INFORMATION			
Contact:	Arthur Sainio	Phone:	1-510-624-8126
		e-mail:	arthur.sainio@smartm.com
Test Traveler Notes:		VERIFICATION	
PC4 19200 RDIMM SYSTEM VOLTAGE SET AT 1.2 VOLTS NOMINAL		Verified by: ARTHUR SAINIO	
Light DDR Speed @ 1.2 Volt: 36.07A 2400MHz			
Heavy DDR Speed @ 1.2 Volt: 51.26A 2133MHz			
Test Technician:	Mark Durand		

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