

SMART Memory Test Lab Report



MOTHERBOARD	MANUFACTURER	CHIPSET	TEST NUMBER	TEST STATUS			
X10DAC	SUPERMICRO®	Intel® C612	SMTL0323	PASS			
Module Information							
Manufacturer Name:	SMART MODULAR TECH	Module Type:	DDR4 Registered ECC DIMM				
Manufacturer P/N:	SH2047RD420472-HA	CAS Latency:	C16-16-16 @ 2400				
Memory Capacity:	16GB	Assembly Type:	SINGLE BOARD NON STACKED				
Module Configuration:	8 PER CPU/16 TOTAL	Low Profile:	NO				
DRAM Supplier:	SKHYNIX	Register P/N:	IDT 4RCD0124KC0 ATG				
DRAM Part Number:	H5AN8G4NAFR UHC 624A	PLL P/N:	N/A				
PCB Part Number:	1617-4G	Dual Die Package:	MONOLITHIC				
PCB Layer Count:	6	Comment:					
MINIMUM SYSTEM INFORMATION		MAXIMUM SYSTEM INFORMATION					
System Name:	X10DAC	System Name:	X10DAC				
Serial Number:	NM14S01D712	Serial Number:	NM14S01D712				
BIOS Version:	1.01	BIOS Version:	1.01				
Processor Code:	INTEL® XEON E5-2608L V3	Processor Code:	INTEL® XEON E5-2608L V3				
OS Memory Size:	128GB	OS Memory Size:	256GB				
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 1.02	Temperature:	40C	Time:	12Hr		
Insertion Test:	PASS	Start Date:	1/24/2017		Temperature:	0C	
SPD Check:	PASS	Stop Date:	1/16/2016		Time:	12Hr	
DDR Speed Check:	PASS	HPL Test Status:	PASS		Start Date:	1/24/2017	
Boot Time:	1 MIN	Speed / Volts Light:	1866 / 1.2V		Stop Date:	1/16/2017	
		Speed / Volts Heavy:	1866 / 1.2V		HPL Test Status:	PASS	
		Summary Min:	P		DDR Speed Light:	1866 / 1.2V	
		Summary Max:	P		DDR Speed Heavy:	1866 / 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)	SFR2017012003315	2)	SFR2017012003316	3)	SFR2017012003317	4)	SFR2017012003318
5)	SFR2017012003319	6)	SFR2017012003320	7)	SFR2017012003321	8)	SFR2017012003322
9)	SFR2017012003323	10)	SFR2017012003324	11)	SFR2017012003326	12)	SFR2017012003327
13)	SFR2017012003328	14)	SFR2017012003329	15)	SFR2017012003330	16)	SFR2017012003331
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 SYSTEM VOLTAGE SET AT 1.2 VOLTS NOMINAL						Verified by: ARTHUR SAINIO	
Light DDR Speed @ 1.2 Volt: 17.23A 1866MHz/PC4 14900							
Heavy DDR Speed @ 1.2 Volt: 25.38A 1866MHz/PC4 14900							
Test Technician: Mark Durand							

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