

# SMART Memory Test Lab Report



MOTHERBOARD	MANUFACTURER	CHIPSET	TEST NUMBER	TEST STATUS
S7076	TYAN®	Intel® C612	SMTL0324	PASS
<b>Module Information</b>				
Manufacturer Name:	SMART MODULAR TECH	Module Type:	DDR4 Registered ECC DIMM	
Manufacturer P/N:	SH1027NR410472SE	CAS Latency:	C16-16-16 @ 2400	
Memory Capacity:	8GB	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:	K4A4G04 5WE BCRC	PLL P/N:	N/A	
PCB Part Number:	PH5AG288NNSLBGA3 A	Dual Die Package	MONOLITHIC	
PCB Layer Count:	6	Comment:	Tested With RDIMM SH5127RD451872SE	
<b>MINIMUM SYSTEM INFORMATION</b>		<b>MAXIMUM SYSTEM INFORMATION</b>		
System Name:	S7076	System Name:	S7076	
Serial Number:	CCAD2EF27002	Serial Number:	CCAD2EF27002	
BIOS Version:	2.00	BIOS Version:	2.00	
Processor Code:	INTEL® XEON E5-2650 V4	Processor Code:	INTEL® XEON E5-2650 V4	
OS Memory Size:	48GB NVDIMM 4GB RDIMM	OS Memory Size:	64GB NVDIMM 32GB RDIMM	
OS Version:	Linux OS is 4.3.1	OS Version:	Linux OS is 4.3.1	
Test Version:	NVD 2.7	Test Version:	NVD 2.7	
Comment:	1 NV DPC1 PRIMARY	Comment:	1 NV DPC SECONDARY	
<b>PRE-TESTING INFORMATION</b>		<b>TESTING DETAILS VOLT NOMINAL</b>		<b>TESTING DETAILS VOLT NOMINAL</b>
Board Revision:	REV 1.00	Temperature:	25C	Time: 500LOOP
Insertion Test:	PASS	Start Date:	1/24/2017	
SPD Check:	PASS	Stop Date:	2/6/2017	
DDR Speed Check:	PASS	HPL Test Status:	PASS	
Boot Time:	2 MIN	Speed / Volts Light:	2400 / 1.2V	
		Speed / Volts Heavy:	2133 / 1.2V	
		Summary Min:	P	
		Summary Max:	P	
<b>Voltage Margining Info</b>				
Volt %				
Volt Low				
Volt High				
		Test Status:	PASS	
		Test Status:	PASS	
<b>Serial Number List</b>				
1-8 NVDIMM		9-16 RDIMM		
1) SFR2016092201371	2) SFR2016092201373	3) SFR2016092201380	4) SFR2016092201381	
5) SFR2016092201390	6) SFR2016092201408	7) SFR2016092201409	8) SFR2016092201412	
9) SFR2016120900026	10) SFR2016120900027	11) SFR2016120900028	12) SFR2016120900029	
13) SFR2016120900030	14) SFR2016120900031	15) SFR2016120900032	16) SFR2016120900033	
17) _____	18) _____	19) _____	20) _____	
21) _____	22) _____	23) _____	24) _____	
<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
PC4 19200 SYSTEM VOLTAGE SET AT 1.2 VOLTS NOMINAL				Verified by: ARTHUR SAINIO
Light DDR 6 NVDIMM'S 1 RDIMM SLOT F0 / SLOT E0 NOT USED				
Heavy DDR PRIMARY RDIMM SECONDARY NVDIMM				
Test Technician:	Mark Durand			

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