

	AVL Supermicro server platform Memory Module Qualification Test		
	Intel E5-2650(SNB-EP) x 2, Intel C602	Test Results	Pass
	PN: KVR13LR9D4/8HE (8GB / RDIMM / ECC) On: X9DRL-iF Rev.1234567890		

RP77D3x-106-KI-SQ-SMC-V2		Module Information		Rev 05/30/2012
AVL WorkOrder #	WC6777	AVL A#	9076	
Start Date	4/12/2013	End Date	4/15/2013	
Tested By		Van N.		
Module Manufacturer		Kingston		
Module Part Number		KVR13LR9D4/8HE		
Module BOM Number		9965516-129.A00LF		
Module Capacity / Memory Type / ECC		8GB	/ RDIMM	/ ECC
Module Configuration (Width, # of devices, # of Ranks)		1Gx72	/36 Devices	/ 2 Ranks
Speed Tested (Data rate of Mbps, CL-tRP-tRCD)		DDR3-1333	/9-9-9	
DRAM Device Vendor		Hynix		
DRAM Device Part Number / Date code		H5TC2G43EFR-PBA	1252	
DRAM Die Revision / Process Technology (nm)		E		
DRAM Device Config (Density / Width)		2Gbit	/ x4	/ 512Mx4bit
Thermal Sensor Device Vendor / Part Number / Revision				
Register Device Vendor / Part Number / Revision		Inphi	SSTE32882	2.1



Platform System Information				
Motherboard Info (Model# & MB Revision & MB S/N & AVL S/N)	X9DRL-iF	1234567890	WM23S30692	SN1029
BIOS Revision / BIOS Date	1.1	1/21/2013		
CPU / Speed	Intel E5-2650(SNB-EP) x 2	2.0GHz		
Chipset info (Stepping)	Intel C602			

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Test Results:	PASS
<i>Comments:</i>	

AVL Memory Module Qual Test Results Summary

Test # and name	Test Description	Specs	Test	Comments
			Results	
1. Latest BIOS Upgrade & Configuration	Download / Upgrade latest BIOS & record size and speed detection		Done	
2. SPD Check	Memory module SPD content check for JEDEC compliance	JEDEC	Done	Use proprietary tools
3. Reset Cycle	Run Linux based diags & utility software @ 55°C	50 loops	N/A	1 DIMM Per Channel when applicable
4a. Stress Application Test	Run Linux based diags & utility software @55°C	8 Hour per config	Pass	DIMM Loading per spec
4b. Stream Benchmark Test		5 loop per config	Pass	DIMM Loading per spec
4b. Reset Cycle		200 loop per config	Pass	DIMM Loading per spec
5. Functional Stress Test	Memory Stress Test @55°C	12hrs	Pass	DIMM Loading per spec
6. Stress Application Test	Run Linux based diags & utility software @55°C	8hrs	N/A	3 DIMM Per Channel when applicable

Note: All test under IMC Vdd=Nom, Vref=Vddnom/2