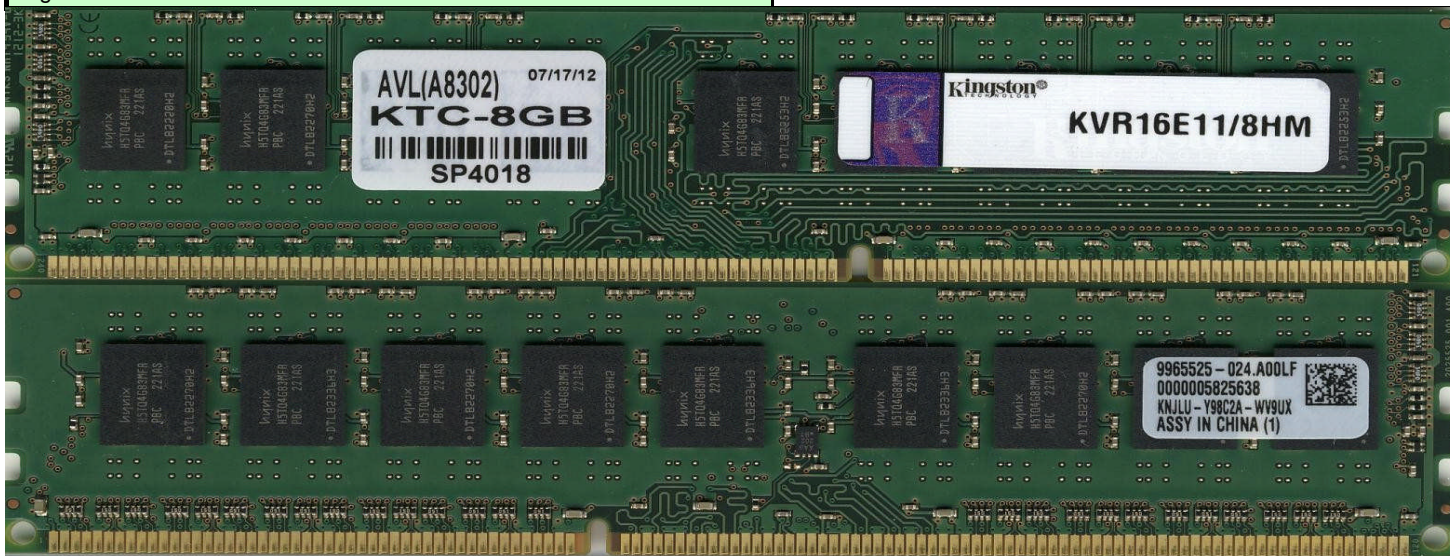


	<b>AVL Supermicro server platform Memory Module Qualification Test</b>		
	Intel E5-2650(SNB-EP) x 2, Intel C602	Test Results	<b>Pass</b>
	PN: KVR16E11/8HM (8GB / UDIMM ECC / ECC ) On: X9DRL-iF Rev.1234567890		

RP77D3x-106-KI-SQ-SMC-V2	<b>Module Information</b>	Rev 05/30/2012
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AVL WorkOrder #	WC4319	AVL A#	8302
Start Date	7/18/2012	End Date	7/19/2012
Tested By	Van N.		
Module Manufacturer	Kingston		
Module Part Number	KVR16E11/8HM		
Module BOM Number	9965525-024.A00LF		
Module Capacity / Memory Type / ECC	8GB / UDIMM ECC/ ECC		
Module Configuration (Width, # of devices, # of Ranks)	1Gx72 /18 Devices / 2 Ranks		
Speed Tested (Data rate of Mbps, CL-tRP-tRCD)	DDR3-1600 11-11-11		
DRAM Device Vendor	Hynix		
DRAM Device Part Number / Date code	H5TQ4G83MFR-PBC		1221
DRAM Die Revision / Process Technology ( nm )	M		
DRAM Device Config (Density / Width)	512Mbit / x8		512Mx8bit
Thermal Sensor Device Vendor / Part Number / Revision	N/A		
Register Device Vendor / Part Number / Revision	N/A		



<b>Platform System Information</b>				
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Motherboard Info (Model# & MB Revision & MB S/N & AVL S/N)	X9DRL-iF	1234567890	WM23S30692	SN1029
BIOS Revision / BIOS Date	1	2/21/2012		
CPU / Speed	Intel E5-2650(SNB-EP) x 2		2.0GHz	
Chipset info (Stepping)	Intel C602			


**AVL Supermicro server platform Memory Module Qualification Test**

Intel E5-2650(SNB-EP) x 2, Intel C602

PN: KVR16E11/8HM (8GB / UDIMM ECC / ECC ) On: X9DRL-iF Rev.1234567890

**Test Results:****PASS***Comments:*
**AVL Memory Module Qual Test Results Summary**

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

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