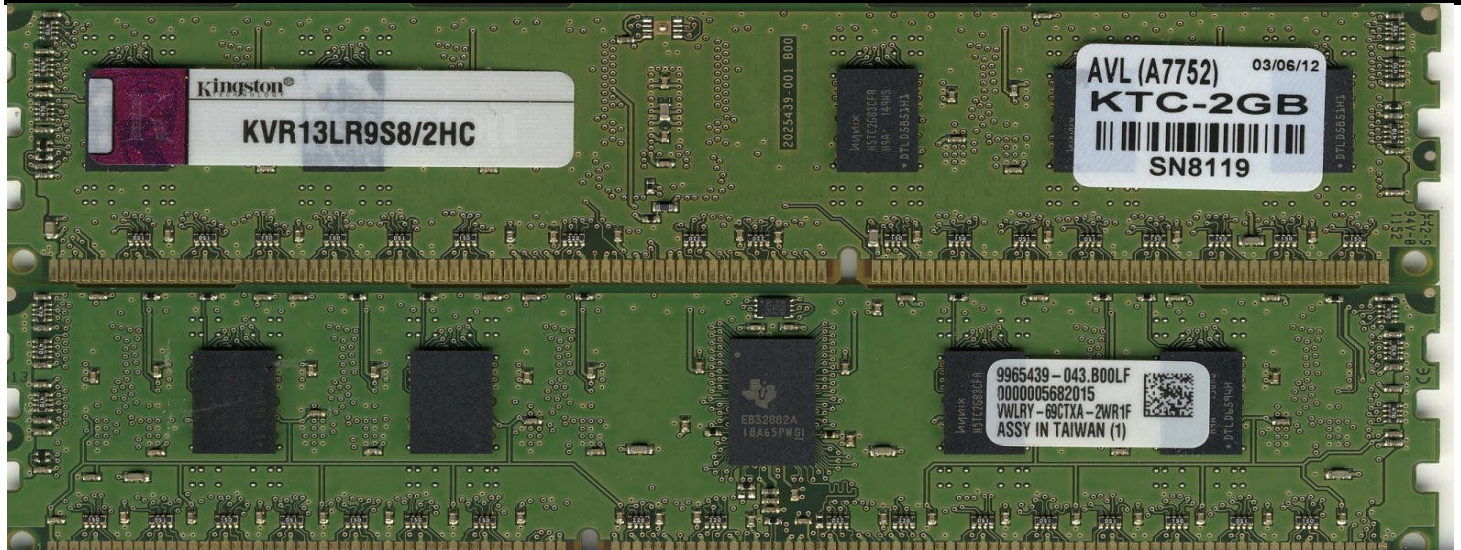
	<b>AVL Supermicro server platform Memory Module Qualification Test</b>		
	Intel E5-2650(SNB-EP) x 1, Intel C602	Test Results	Pass
	PN: KVR13LR9S8/2HC (2GB / RDIMM / ECC ) On: X9SRE-F Rev.1.2		

RP77D3x-106-KI-SQ-SMC-V1		Module Information		Rev 01/07/2011
AVL WorkOrder #	WC4075	AVL A#	7752	
Start Date	6/19/2012	End Date	6/20/2012	
Tested By	Van N.			
Module Manufacturer	Kingston			
Module Part Number	KVR13LR9S8/2HC			
Module BOM Number	9965439-043.B00LF			
Module Capacity / Memory Type / ECC	2GB / RDIMM / ECC			
Module Configuration (Width, # of devices, # of Ranks)	256Mx72 /9 Devices / 1 Rank			
Speed Tested (Data rate of Mbps, CL-tRP-tRCD)	DDR3-1333 /9-9-9			
DRAM Device Vendor	Hynix			
DRAM Device Part Number / Date code	H5TC2G83CFR-H9A			1149
DRAM Die Revision / Process Technology ( nm )	C			
DRAM Device Config (Density / Width)	256Mbit / x8 / 256Mx8bit			
Thermal Sensor Device Vendor / Part Number / Revision	STMicro			
Register Device Vendor / Part Number / Revision	TI		3.3	



Platform System Information				
Motherboard Info (Model# & MB Revision & MB S/N & AVL S/N)	X9SRE-F	1.2	ZM23U39156	SO6530
BIOS Revision / BIOS Date	1.0a		3/6/2012	
CPU / Speed	Intel E5-2650(SNB-EP) x 1		2.0GHz	
Chipset info (Stepping)	Intel C602			



<b>AVL Supermicro server platform Memory Module Qualification Test</b>
Intel E5-2650(SNB-EP) x 1, Intel C602 PN: KVR13LR9S8/2HC (2GB / RDIMM / ECC ) On: X9SRE-F Rev.1.2

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

### AVL Memory Module Qual Test Results Summary

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

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