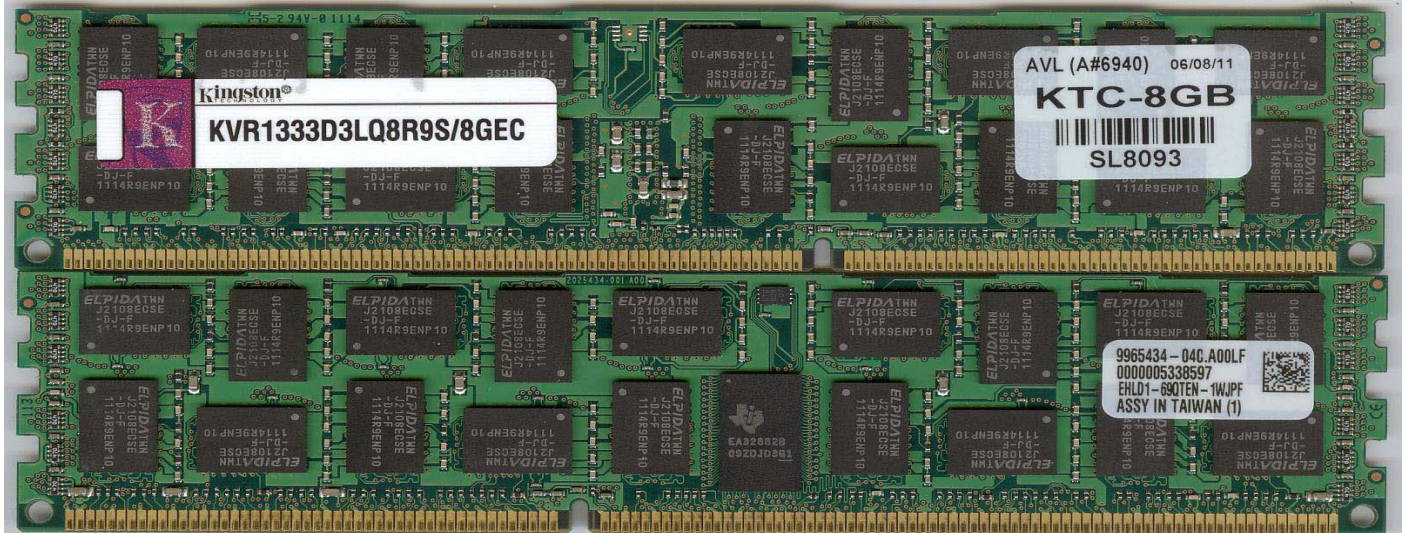
	<b>AVL Supermicro server platform Memory Module Qualification Test</b>		
	Intel X5650(WSM) x 2, Intel 5520 (Tylersburg), Rev B3	Test Results	Pass
	PN: KVR1333D3LQ8R9S/8GEC (8GB / RDIMM / ECC ) On: X8DT6-F Rev.1.3		

RP77D3x-106-KI-SQ-SMC-V1		Module Information		Rev 01/07/2011
AVL WorkOrder #	WB9797	AVL A#	6940	
Start Date	6/14/2011	End Date	6/24/2011	
Tested By	Mike H.			
Module Manufacturer	Kingston			
Module Part Number	KVR1333D3LQ8R9S/8GEC			
Module BOM Number	9965434-040.A00LF			
Module Capacity / Memory Type / ECC	8GB / RDIMM / ECC			
Module Configuration (Width, # of devices, # of Ranks)	1Gx72 /36 Devices / 4 Ranks			
Speed Tested (Data rate of Mbps, CL-tRP-tRCD)	DDR3-1333 /9-9-9			
DRAM Device Vendor	Elpida			
DRAM Device Part Number / Date code	EDJ2108ECSE-DJ-F	1114		
DRAM Die Revision / Process Technology ( nm)	C-Die	40		
DRAM Device Config (Density / Width)	2Gbit	/ x8		
Thermal Sensor Device Vendor / Part Number / Revision				
Register Device Vendor / Part Number / Revision	TI	EA32882B	2.8	



Platform System Information				
Motherboard Info (Model# & MB Revision & MB S/N & AVL S/N)	X8DT6-F	1.3	VMAS59161	SK4375
BISO Revision / BIOS Date / MRC Rev.	2.0a	9/14/2010	2.11	
CPU / Speed	Intel X5650(WSM) x 2		2.66GHz	
Chipset info (Stepping)	Intel 5520 (Tylersburg), Rev B3			



## AVL Supermicro server platform Memory Module Qualification Test

Intel X5650(WSM) x 2, Intel 5520 (Tylersburg), Rev B3

PN: KVR1333D3LQ8R9S/8GEC (8GB / RDIMM / ECC ) On: X8DT6-F Rev.1.3

**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	Per test platform, DIMM & config spec	Done	Record memory size & speed at each test only
<b>2. SPD Check</b>	Memory module SPD content check for JEDEC compliance	JEDEC	Pass	Use proprietary tools
<b>3. Sisoftware Sandra Benchmark</b>	Run Windows based diags & utility software @55°C - DIMM max loading. Test run under 1.35v	1 loop per config	Done	Force 1066 in BIOS
<b>4. Passmark Burn-In</b>		12 Hour per config	Pass	Force 1066 in BIOS
<b>5a. Stress Application Test</b>	Run Linux based diags & utility software @55°C - DIMM max loading. Test run under 1.35v	12 Hour per config	Pass	Force 1066 in BIOS
<b>5b. Stream Benchmark Test</b>		5 loop per config	Done	Force 1066 in BIOS
<b>5c. Reset Cycle</b>		500 loop per config	Pass	Force 1066 in BIOS
<b>6. Functional Stress Test (Corner 1)</b>	Run RST Premium @55°C - 1 DIMM Per Ch Test run under 1.35v 1333	8 Hour or 2+ Loops per config	Pass	Run @ Max module speed
<b>7. Functional Stress Test (Corner 2)</b>	Run RST Premium @55°C - 2 DIMM Per Ch Test run under 1.5v	8 Hour or 2+ Loops per config	Pass	Full Load
<b>8. Functional Stress Test (Corner 3)</b>	Run RST Premium @0°C1 DIMM Per Ch Test run under 1.35v 1333	8 Hour or 2+ Loops per config	Pass	Run @ Max module speed

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