



Advanced Validation Labs, Inc.

17665B Newhope Street, Fountain Valley, CA 92708 (714) 435-2630



Intel PCSD Server Memory Compatibility Test Certificate

Test System: **Intel S2600WT (Wildcat Pass)** Test Result: **Pass**

Leveraged System(s): MCB2208WAF4, MCB2208WAF5, MCB2312WHY2, R1208WT2GSR, R1208WTTGS, R1208WTxxx, R1208WTTGSR, R1280WTTGSSPP, R1304WT2GS, R1304WT2GSR, R1304WTTGS, R1304WTxxx, R2000WTxxx, R1304WTTGSR, R2208WT2YS, R2208WTTYSR, R2208WTTTC1, R2208WTTTC1R, R2208WTTYS, R2208WTTYSR, R2224WTTYS, R2224WTTYSR, R2308WTTGS, R2308WTTYS, R2308WTTYSR, R2312WTTYS, R2312WTTYSR, R2312WTxxx, S2600WT, S2600WT2, S2600WT2R, S2600WTT, S2600WTTTR, S2600WTT51R

Modules Information

DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KVR24R17D4/32I	RDIMM	1.2V	32GB	2Gx72	2400	17	B	DR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code			Register Vendor / Rev.		DIMM Composition		
Micron	MT40A2G4PM-083E:A	8Gb	2048Mx4bit	1604	IDT	A	(2048Mx4)*2*72		

Leveraged Memory Modules

Vendor	Type	Voltage	CL	Speed
1 Kingston	KVR24R17D4K4/128I	RDIMM	1.2V	17 2400
2				
3				
4				
5				
6				

System Configuration

SETUP	System #1	System #2
AVL S/N	SV2346	SV2347
System S/N	BQWL42200131 / LVPP	BQWL42200377 / HVPP
Board Rev. (PBA)	G92187-300	
CPU Type	E5-2690 v4 / 2.60 GHz	
Chipset	C610	
BIOS / Date	01.01.0015 / 01-28-2016	
BMC / ME	01.43.9685 / 03.01.03.021	
FUR/SDR	1.12	
OS	Windows Server 2012 R2	
Test Tool	iVSS 2.6.1, SELViewer, Syscfg, WinPIRA	

Testing Summary

Test Items	Test Description	Test Results
1. Latest BIOS Upgrade & Configuration check	Record memory Size and Speed detection from BIOS	Done
2. SPD Check	DIMM SPD content check for JEDEC compliance	Pass
3. Memory Stress	Test for 6 hours @ Max and Min Loading	HVDD/HVPP Hot Pass
4. Memory Stress		HVDD/HVPP Cold Pass
5. Memory Stress		LVDD/LVPP Hot Pass
6. Memory Stress		LVDD/LVPP Cold Pass
6. Power Cycle	Test each corner for 50 cycle in room temp	Pass

Note:

Memory Module Image



AVL USE ONLY:

Completed by:	Andy Chang	Completion Date:	05/17/16	AVL A#	A11242	AVL W/O	WD5719
Comments:							

Test Results

4C					
Minimum Loading					
Start Date		4/15/2016			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY8294	P	P	P	P
CPU1 A2					
CPU1 A3					
CPU1 B1	SY8295	P	P	P	P
CPU1 B2					
CPU1 B3					
CPU1 C1	SY8296	P	P	P	P
CPU1 C2					
CPU1 C3					
CPU1 D1	SY8297	P	P	P	P
CPU1 D2					
CPU1 D3					
CPU2 E1	SY8298	P	P	P	P
CPU2 E2					
CPU2 E3					
CPU2 F1	SY8299	P	P	P	P
CPU2 F2					
CPU2 F3					
CPU2 G1	SY8300	P	P	P	P
CPU2 G2					
CPU2 G3					
CPU2 H1	SY8301	P	P	P	P
CPU2 H2					
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Middle Loading					
Start Date		04/15/16			
DIMM Voltage		1.22v / 1.16v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY8294	P	P	P	P
CPU1 A2	SY8295	P	P	P	P
CPU1 A3					
CPU1 B1	SY8296	P	P	P	P
CPU1 B2	SY8297	P	P	P	P
CPU1 B3					
CPU1 C1	SY8298	P	P	P	P
CPU1 C2	SY8299	P	P	P	P
CPU1 C3					
CPU1 D1	SY8300	P	P	P	P
CPU1 D2	SY8301	P	P	P	P
CPU1 D3					
CPU2 E1	SY8302	P	P	P	P
CPU2 E2	SY8303	P	P	P	P
CPU2 E3					
CPU2 F1	SY8304	P	P	P	P
CPU2 F2	SY8305	P	P	P	P
CPU2 F3					
CPU2 G1	SY8306	P	P	P	P
CPU2 G2	SY8307	P	P	P	P
CPU2 G3					
CPU2 H1	SY8308	P	P	P	P
CPU2 H2	SY8309	P	P	P	P
CPU2 H3					
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P

4C					
Maximum Loading					
Start Date		4/15/2016			
DIMM Voltage		1.22v			
DIMM VPP		2.64v / 2.422v			
DIMM	S/N	A	B	C	D
CPU1 A1	SY8318	P	P	P	P
CPU1 A2	SY8319	P	P	P	P
CPU1 A3	SY8320	P	P	P	P
CPU1 B1	SY8321	P	P	P	P
CPU1 B2	SY8322	P	P	P	P
CPU1 B3	SY8323	P	P	P	P
CPU1 C1	SY8324	P	P	P	P
CPU1 C2	SY8325	P	P	P	P
CPU1 C3	SY8326	P	P	P	P
CPU1 D1	SY8327	P	P	P	P
CPU1 D2	SY8328	P	P	P	P
CPU1 D3	SY8329	P	P	P	P
CPU2 E1	SY8330	P	P	P	P
CPU2 E2	SY8331	P	P	P	P
CPU2 E3	SY8332	P	P	P	P
CPU2 F1	SY8333	P	P	P	P
CPU2 F2	SY8334	P	P	P	P
CPU2 F3	SY8335	P	P	P	P
CPU2 G1	SY8336	P	P	P	P
CPU2 G2	SY8337	P	P	P	P
CPU2 G3	SY8338	P	P	P	P
CPU2 H1	SY8339	P	P	P	P
CPU2 H2	SY8340	P	P	P	P
CPU2 H3	SY8341	P	P	P	P
AC Power Cycling					
50 AC Cycles/corner		P	P	P	P