



Advanced Validation Labs, Inc.

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Intel PCSD Server Memory Compatibility Test Certificate	
Test System: Intel M50CYP (Coyote Pass)	Test Result: Pass

Leveraged System(s):

Modules Information									
DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KSM32RD4/64MFR	RDIMM	1.2V	64GB	8Gx72	3200	22	B4	DR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Data Code			Register Vendor / Rev.		DIMM Composition		
Micron	MT40A4G4SA-062E:F	16Gb			4096Mx4bit 2220		Rambus B0		(4096Mx4)x2*72

System Configuration		
SETUP	System #1	System #2
AVL S/N	N/A	N/A
System S/N	BQC112600012	BQC112600057
Board Rev. (PBA)	K73719-351	K73719-351
CPU Type	Intel 1.8 GHz	Intel 1.8 GHz
Chipset	Intel 62X Series	
BIOS	86B.1020.P37	86B.1020.P37
BMC / ME	2.85 / 04.04.04.58	2.85 / 04.04.04.58
FUR/SDR	0.36	0.36
OS	Windows Server 2019 Datacenter	
Test Tool	iWVSS 2.9.2, SELViewer, Syscfg, SHC 4.2.1	

Testing Summary		
Test Items	Test Description	Test Results
1. BIOS Configuration check	Record memory Size and Speed detection	Done
2. SPD Check	Check for JEDEC compliance	Pass
3. Memory Stress 4 Corner Test @ 6 Hours each Corner	Max Load: (High / Low VDD -- 0C / 40C)	Pass
	Min Load: (High / Low VDD -- 0C / 40C)	Pass
4. Power Cycle Test @ 50 Cycles each Corner	Max Load: (High / Low VDD -- 0C / 40C)	Pass
	Min Load: (High / Low VDD -- 0C / 40C)	Pass
5. SHC	iMunch (MAX Load)	Pass
	TSL (MAX Load)	Done
6. RMT Test	Max Load Nominal VDD - 1x1x3	Pass

Memory Module Image



AVL USE ONLY:							
Completed by:	Andy Chang	Completion Date:	8/1/2022	AVL A#	U221542	AVL W/O	WG2034
Comments:							

RMT Results														
Summary	RxDqs-	RxDqs+	RxV-	Rxv+	TxDq-	TxDq+	TxV-	TxV+	Cmd-	Cmd+	CmdV-	CmdV+	Ctl-	Ctl+
Whitley DDR4-3200 Quick Analysis Guideline	10	10	11	11	10	10	10	10	19	19	12	12	19	19
Worst Case	14	12	16	16	15	15	13	16	40	36	40	39	50	55