



**Advanced Validation Labs, Inc.**

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



Intel PCSD Server Memory Compatibility Test Certificate	
Test System: <b>Intel M50CYP (Coyote Pass)</b>	Test Result: <b>Pass</b>

Leveraged System(s):

Modules Information									
DIMM Vendor	DIMM Part Number	Type	Voltage	Size	Config.	Speed	CL	R/C	Rank
Kingston	KSM32RS4/16MRR	RDIMM	1.2V	16GB	2Gx72	3200	22	C3	SR
DRAM Vendor	DRAM Part Number	DRAM Density / Width / Date Code	Register Vendor / Rev.	DIMM Composition					
Micron	MT40A2G4SA-062E:R	8Gb	2048Mx4bit	2130	Rambus	B0	(2048Mx4)*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	iVVSS 2.9.2, SELViewer, Syscfg, SHC v 4.2.1	

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

**Memory Module Image**



AVL USE ONLY:							
Completed by:	Andy Chang	Completion Date:	5/20/2022	AVL A#	U221235	AVL W/O	WG1524
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	16	15	20	19	17	17	21	21	41	38	38	36	51	54