



**Advanced Validation Labs, Inc.**

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| Intel PCSD Server Memory Compatibility Test Certificate |                          |
|---|--------------------------|
| Test System: <b>Intel S2600WF (Wolf Pass)</b>           | Test Result: <b>Pass</b> |

Leveraged System(s): R1208WFTYS, R1304WF, R1304WF0YS, R1304WFTYS, R2000WF, R2208WF0ZS, R2208WFTZS, R2224WFTZS, R2308WFTZS, R2312WF0NP, R2312WFTZS, S2600WF0, S2600WFQ, S2600WFT

| Modules Information |                   |                                  |            |      |                        |                  |               |     |      |
|---------------------|-------------------|----------------------------------|------------|------|------------------------|------------------|---------------|-----|------|
| DIMM Vendor         | DIMM Part Number  | Type                             | Voltage    | Size | Config.                | Speed            | CL            | R/C | Rank |
| Kingston            | KSM29RS8/8MEI     | RDIMM                            | 1.2V       | 8GB  | 1Gx72                  | 2933             | 21            | D1  | SR   |
| DRAM Vendor         | DRAM Part Number  | DRAM Density / Width / Date Code |            |      | Register Vendor / Rev. | DIMM Composition |               |     |      |
| Micron              | MT40A1G8SA-062E:E | 8Gb                              | 1024Mx8bit | 1838 | IDT                    | C1               | (1024Mx8) *72 |     |      |

| System Configuration |   |                     |
|----------------------|---|---------------------|
| SETUP                | System #1                               | System #2           |
| AVL S/N              | H170060-003                             |                     |
| System S/N           | BQWF83600199                            |                     |
| Board Rev. (PBA)     | H48104-863                              |                     |
| CPU Type             | Intel CLX 2.20 GHz                      |                     |
| Chipset              | Intel 62X Series                        |                     |
| BIOS                 | 01.0261                                 | 01.0261             |
| BMC / ME             | 1.83 / 04.01.03.237                     | 1.83 / 04.01.03.237 |
| FUR/SDR              | 1.74                                    | 1.74                |
| OS                   | Windows Server 2016 Standard            |                     |
| Test Tool            | iWVSS 2.8.0, 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 Hot <b>Pass</b>  |
| 4. Memory Stress                             |  | HVDD Cold <b>Pass</b> |
| 5. Memory Stress                             |  | LVDD Hot <b>Pass</b>  |
| 6. Memory Stress                             |  | LVDD Cold <b>Pass</b> |
| Note:  |  |                       |

| Memory Module Image      |                             |
|--------------------------|-----------------------------|
|                          |                             |
| AVL USE ONLY:            |                             |
| Completed by: Andy Chang | Completion Date: 06/24/2019 |
| AVL A#                   | U191207                     |
| AVL W/O                  | WF2559                      |
| Comments:                |                             |

| Test Results       |               |   |   |   |   |  |
|--------------------|---------------|---|---|---|---|--|
| 4C Minimum Loading |               |   |   |   |   |  |
| Start Date         | 6/5/2019      |   |   |   |   |  |
| DIMM Voltage       | 1.22v / 1.16v |   |   |   |   |  |
| DIMM               | S/N           | A | B | C | D |  |
| CPU1 A1            | 07-013        | P | P | P | P |  |
| CPU1 A2            |               |   |   |   |   |  |
| CPU1 B1            | 07-014        | P | P | P | P |  |
| CPU1 B2            |               |   |   |   |   |  |
| CPU1 C1            | 07-015        | P | P | P | P |  |
| CPU1 C2            |               |   |   |   |   |  |
| CPU1 D1            | 07-016        | P | P | P | P |  |
| CPU1 D2            |               |   |   |   |   |  |
| CPU1 E1            | 07-017        | P | P | P | P |  |
| CPU1 E2            |               |   |   |   |   |  |
| CPU1 F1            | 07-018        | P | P | P | P |  |
| CPU1 F2            |               |   |   |   |   |  |
| CPU2 G1            | 98-013        | P | P | P | P |  |
| CPU2 G2            |               |   |   |   |   |  |
| CPU2 H1            | 98-014        | P | P | P | P |  |
| CPU2 H2            |               |   |   |   |   |  |
| CPU2 I1            | 98-015        | P | P | P | P |  |
| CPU2 I2            |               |   |   |   |   |  |
| CPU2 J1            | 98-016        | P | P | P | P |  |
| CPU2 J2            |               |   |   |   |   |  |
| CPU2 K1            | 98-017        | P | P | P | P |  |
| CPU2 K2            |               |   |   |   |   |  |
| CPU2 L1            | 98-018        | P | P | P | P |  |
| CPU2 L2            |               |   |   |   |   |  |

  

| 4C Maximum Loading |               |   |   |   |   |  |
|--------------------|---------------|---|---|---|---|--|
| Start Date         | 06/05/19      |   |   |   |   |  |
| DIMM Voltage       | 1.22v / 1.16v |   |   |   |   |  |
| DIMM               | S/N           | A | B | C | D |  |
| CPU1 A1            | 07-001        | P | P | P | P |  |
| CPU1 A2            | 07-002        | P | P | P | P |  |
| CPU1 B1            | 07-003        | P | P | P | P |  |
| CPU1 B2            | 07-004        | P | P | P | P |  |
| CPU1 C1            | 07-005        | P | P | P | P |  |
| CPU1 C2            | 07-006        | P | P | P | P |  |
| CPU1 D1            | 07-007        | P | P | P | P |  |
| CPU1 D2            | 07-008        | P | P | P | P |  |
| CPU1 E1            | 07-009        | P | P | P | P |  |
| CPU1 E2            | 07-010        | P | P | P | P |  |
| CPU1 F1            | 07-011        | P | P | P | P |  |
| CPU1 F2            | 07-012        | P | P | P | P |  |
| CPU2 G1            | 98-001        | P | P | P | P |  |
| CPU2 G2            | 98-002        | P | P | P | P |  |
| CPU2 H1            | 98-003        | P | P | P | P |  |
| CPU2 H2            | 98-004        | P | P | P | P |  |
| CPU2 I1            | 98-005        | P | P | P | P |  |
| CPU2 I2            | 98-006        | P | P | P | P |  |
| CPU2 J1            | 98-007        | P | P | P | P |  |
| CPU2 J2            | 98-008        | P | P | P | P |  |
| CPU2 K1            | 98-009        | P | P | P | P |  |
| CPU2 K2            | 98-010        | P | P | P | P |  |
| CPU2 L1            | 98-011        | P | P | P | P |  |
| CPU2 L2            | 98-012        | P | P | P | P |  |