



### Advanced Validation Labs, Inc.

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| Intel PCSD Server Memory Compatibility Test Certificate |                          |
|---|--------------------------|
| Test System: <b>Intel S2600ST (SawTooth Pass)</b>       | Test Result: <b>Pass</b> |

Leveraged System(s): BBS2600STQ,S2600ST,S2600STB,S2600STQ

#### Modules Information

| DIMM Vendor | DIMM Part Number  | Type                             | Voltage    | Size | Config.                | Speed | CL               | R/C | Rank |
|-------------|-------------------|----------------------------------|------------|------|------------------------|-------|------------------|-----|------|
| Kingston    | KSM29RS4/16MEI    | RDIMM                            | 1.2V       | 16GB | 2Gx72                  | 2933  | 21               | C2  | SR   |
| DRAM Vendor | DRAM Part Number  | DRAM Density / Width / Date Code |            |      | Register Vendor / Rev. |       | DIMM Composition |     |      |
| Micron      | MT40A2G4SA-062E:E | 8Gb                              | 2048Mx4bit | 1906 | IDT                    | C1    | (2048Mx4)*72     |     |      |

#### System Configuration

| SETUP            | System #1                               | System #2 |
|------------------|---|-----------|
| AVL S/N          | H170061-001                             |           |
| System S/N       | FWSP90120694                            |           |
| Board Rev. (PBA) | J17012-503                              |           |
| CPU Type         | Intel CLX 2.20 GHz                      |           |
| Chipset          | Intel 62X Series                        |           |
| BIOS             | 0D.01.0261                              |           |
| BMC / ME         | 1.83 / 04.01.03.237                     |           |
| FUR/SDR          | 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: | 06/07/2019 | AVL A# | U191194 | AVL W/O | WF2534 |
|---------------|------------|------------------|------------|--------|---------|---------|--------|

Comments:

#### Test Results

| 4C Minimum Loading |        |               |   |   |   |
|--------------------|--------|---------------|---|---|---|
| Start Date         |        | 5/28/2019     |   |   |   |
| DIMM Voltage       |        | 1.22v / 1.16v |   |   |   |
| DIMM               | S/N    | A             | B | C | D |
| CPU1 A1            | 94-001 | P             | P | P | P |
| CPU1 A2            |        |               |   |   |   |
| CPU1 B1            | 94-002 | P             | P | P | P |
| CPU1 C1            | 94-003 | P             | P | P | P |
| CPU1 D1            | 94-004 | P             | P | P | P |
| CPU1 D2            |        |               |   |   |   |
| CPU1 E1            | 94-005 | P             | P | P | P |
| CPU1 F1            | 94-006 | P             | P | P | P |
| CPU2 G1            | 95-001 | P             | P | P | P |
| CPU2 G2            |        |               |   |   |   |
| CPU2 H1            | 95-002 | P             | P | P | P |
| CPU2 I1            | 95-003 | P             | P | P | P |
| CPU2 J1            | 95-004 | P             | P | P | P |
| CPU2 J2            |        |               |   |   |   |
| CPU2 K1            | 95-005 | P             | P | P | P |
| CPU2 L1            | 95-006 | P             | P | P | P |

| 4C Maximum Loading |        |               |   |   |   |
|--------------------|--------|---------------|---|---|---|
| Start Date         |        | 05/28/19      |   |   |   |
| DIMM Voltage       |        | 1.22v / 1.16v |   |   |   |
| DIMM               | S/N    | A             | B | C | D |
| CPU1 A1            | 94-001 | P             | P | P | P |
| CPU1 A2            | 94-002 | P             | P | P | P |
| CPU1 B1            | 94-003 | P             | P | P | P |
| CPU1 C1            | 94-004 | P             | P | P | P |
| CPU1 D1            | 94-005 | P             | P | P | P |
| CPU1 D2            | 94-006 | P             | P | P | P |
| CPU1 E1            | 94-007 | P             | P | P | P |
| CPU1 F1            | 94-008 | P             | P | P | P |
| CPU2 G1            | 95-001 | P             | P | P | P |
| CPU2 G2            | 95-002 | P             | P | P | P |
| CPU2 H1            | 95-003 | P             | P | P | P |
| CPU2 I1            | 95-004 | P             | P | P | P |
| CPU2 J1            | 95-005 | P             | P | P | P |
| CPU2 J2            | 95-006 | P             | P | P | P |
| CPU2 K1            | 95-007 | P             | P | P | P |
| CPU2 L1            | 95-008 | P             | P | P | P |