



**Intel PCSD Server Memory Compatibility Test Certificate**

Test System: **Intel S2600WP (Washington Pass)** Test Result: **Pass**

Leveraged System(s): Intel S1600JP (Jackson Pass)

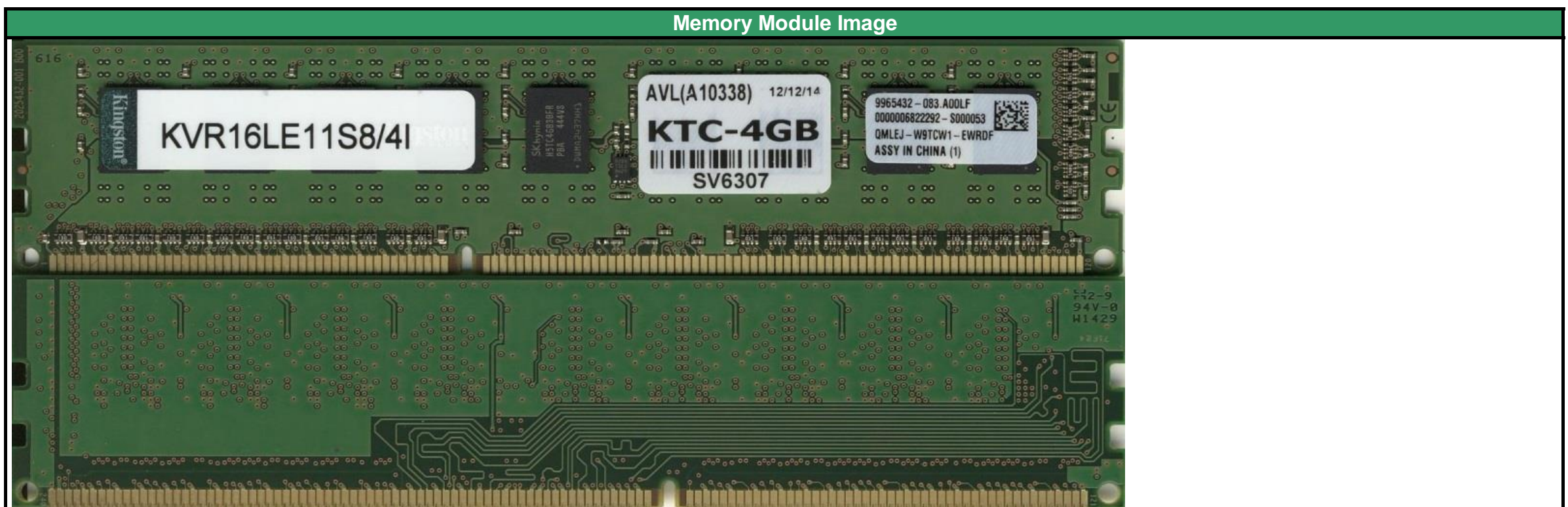
| Module Information |                  |                                  |           |      |                        |       |                  |     |      |
|--------------------|------------------|----------------------------------|-----------|------|------------------------|-------|------------------|-----|------|
| DIMM Vendor        | DIMM Part Number | Type                             | Voltage   | Size | Config.                | Speed | CL               | R/C | Rank |
| Kingston           | KVR16LE11S8/4I   | UDIMM ECC                        | 1.35V     | 4GB  | 512Mx72                | 1600  | 11               | D   | SR   |
| DRAM Vendor        | DRAM Part Number | DRAM Density / Width / Date Code |           |      | Register Vendor / Rev. |       | DIMM Composition |     |      |
| Hynix              | H5TC4G83BFR-PBA  | 4Gb                              | 512Mx8bit | 1444 |                        |       | (512Mx8)*72      |     |      |

| Leveraged Memory Modules |               |           |      |       |      |  |
|--------------------------|---------------|-----------|------|-------|------|--|
| Vendor                   | Type          | Voltage   | CL   | Speed |      |  |
| 1 Kingston               | KVR16E11S8/4I | UDIMM ECC | 1.5V | 11    | 1600 |  |
| 2                        |               |           |      |       |      |  |
| 3                        |               |           |      |       |      |  |
| 4                        |               |           |      |       |      |  |
| 5                        |               |           |      |       |      |  |
| 6                        |               |           |      |       |      |  |

| System Configuration |   |              |
|----------------------|---|--------------|
| SETUP                | System #1   | System #2    |
| AVL S/N              | SR9654  | SU4440       |
| System S/N           | QSWP24701947  | QSWP14100099 |
| Board Rev. (PBA)     | G38670-201  |              |
| CPU Type             | E5-2690 v2 / 3.0 GHz  |              |
| Chipset              | Intel C602  |              |
| BIOS / Date          | 02.03.0003 / 04/19/2014                                     |              |
| BMC / ME             | 01.21.6038 / 02.01.07.328                                   |              |
| FUR/SDR              | 1.08  |              |
| OS                   | Windows 2008 Enterprise R2 64bit SP1                        |              |
| Test Tool            | iVVSS 2.5.3, SELViewer, Pvmode2, Syscfg, WinPIRA, MemPuller |              |

| 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 Pass  |
| 4. Memory Stress                             |  | HVDD Cold Pass |
| 5. Memory Stress                             |  | LVDD Hot Pass  |
| 6. Memory Stress                             |  | LVDD Cold Pass |
| Note:  |  |                |



| AVL USE ONLY: |            |                  |            |        |        |         |        |
|---------------|------------|------------------|------------|--------|--------|---------|--------|
| Completed by: | Andy Chang | Completion Date: | 01/30/2015 | AVL A# | A10338 | AVL W/O | WD2910 |
| Comments:     |            |                  |            |        |        |         |        |

Test Results

| 4C              |        |           |   |   |   |
|-----------------|--------|-----------|---|---|---|
| Minimum Loading |        |           |   |   |   |
| Start Date      |        | 1/26/2015 |   |   |   |
| DIMM Voltage    |        | 1.5v      |   |   |   |
| DIMM            | S/N    | A         | B | C | D |
| CPU1 A1         | SV6323 | P         | P | P | P |
| CPU1 A2         |        |           |   |   |   |
| CPU1 B1         | SV6324 | P         | P | P | P |
| CPU1 B2         |        |           |   |   |   |
| CPU1 C1         | SV6325 | P         | P | P | P |
| CPU1 C2         |        |           |   |   |   |
| CPU1 D1         | SV6326 | P         | P | P | P |
| CPU1 D2         |        |           |   |   |   |
| CPU2 E1         | SV6327 | P         | P | P | P |
| CPU2 E2         |        |           |   |   |   |
| CPU2 F1         | SV6328 | P         | P | P | P |
| CPU2 F2         |        |           |   |   |   |
| CPU2 G1         | SV6329 | P         | P | P | P |
| CPU2 G2         |        |           |   |   |   |
| CPU2 H1         | SV6216 | P         | P | P | P |
| CPU2 H2         |        |           |   |   |   |

| 4C              |        |          |   |   |   |
|-----------------|--------|----------|---|---|---|
| Maximum Loading |        |          |   |   |   |
| Start Date      |        | 01/26/15 |   |   |   |
| DIMM Voltage    |        | 1.5v     |   |   |   |
| DIMM            | S/N    | A        | B | C | D |
| CPU1 A1         | SV6307 | P        | P | P | P |
| CPU1 A2         | SV6308 | P        | P | P | P |
| CPU1 B1         | SV6309 | P        | P | P | P |
| CPU1 B2         | SV6310 | P        | P | P | P |
| CPU1 C1         | SV6311 | P        | P | P | P |
| CPU1 C2         | SV6312 | P        | P | P | P |
| CPU1 D1         | SV6313 | P        | P | P | P |
| CPU1 D2         | SV6314 | P        | P | P | P |
| CPU2 E1         | SV6315 | P        | P | P | P |
| CPU2 E2         | SV6316 | P        | P | P | P |
| CPU2 F1         | SV6317 | P        | P | P | P |
| CPU2 F2         | SV6318 | P        | P | P | P |
| CPU2 G1         | SV6319 | P        | P | P | P |
| CPU2 G2         | SV6320 | P        | P | P | P |
| CPU2 H1         | SV6321 | P        | P | P | P |
| CPU2 H2         | SV6215 | P        | P | P | P |



| 4C              |        |           |   |   |   |
|-----------------|--------|-----------|---|---|---|
| Minimum Loading |        |           |   |   |   |
| Start Date      |        | 1/28/2015 |   |   |   |
| DIMM Voltage    |        | 1.35v     |   |   |   |
| DIMM            | S/N    | E         | F | G | H |
| CPU1 A1         | SV6323 | P         | P | P | P |
| CPU1 A2         |        |           |   |   |   |
| CPU1 B1         | SV6324 | P         | P | P | P |
| CPU1 B2         |        |           |   |   |   |
| CPU1 C1         | SV6325 | P         | P | P | P |
| CPU1 C2         |        |           |   |   |   |
| CPU1 D1         | SV6326 | P         | P | P | P |
| CPU1 D2         |        |           |   |   |   |
| CPU2 E1         | SV6327 | P         | P | P | P |
| CPU2 E2         |        |           |   |   |   |
| CPU2 F1         | SV6328 | P         | P | P | P |
| CPU2 F2         |        |           |   |   |   |
| CPU2 G1         | SV6329 | P         | P | P | P |
| CPU2 G2         |        |           |   |   |   |
| CPU2 H1         | SV6330 | P         | P | P | P |
| CPU2 H2         |        |           |   |   |   |

| 4C              |        |          |   |   |   |
|-----------------|--------|----------|---|---|---|
| Maximum Loading |        |          |   |   |   |
| Start Date      |        | 01/28/15 |   |   |   |
| DIMM Voltage    |        | 1.35v    |   |   |   |
| DIMM            | S/N    | E        | F | G | H |
| CPU1 A1         | SV6307 | P        | P | P | P |
| CPU1 A2         | SV6308 | P        | P | P | P |
| CPU1 B1         | SV6309 | P        | P | P | P |
| CPU1 B2         | SV6310 | P        | P | P | P |
| CPU1 C1         | SV6311 | P        | P | P | P |
| CPU1 C2         | SV6312 | P        | P | P | P |
| CPU1 D1         | SV6313 | P        | P | P | P |
| CPU1 D2         | SV6314 | P        | P | P | P |
| CPU2 E1         | SV6315 | P        | P | P | P |
| CPU2 E2         | SV6316 | P        | P | P | P |
| CPU2 F1         | SV6317 | P        | P | P | P |
| CPU2 F2         | SV6318 | P        | P | P | P |
| CPU2 G1         | SV6319 | P        | P | P | P |
| CPU2 G2         | SV6320 | P        | P | P | P |
| CPU2 H1         | SV6321 | P        | P | P | P |
| CPU2 H2         | SV6322 | P        | P | P | P |

