

**Server Memory Compatibility Test Certificate**

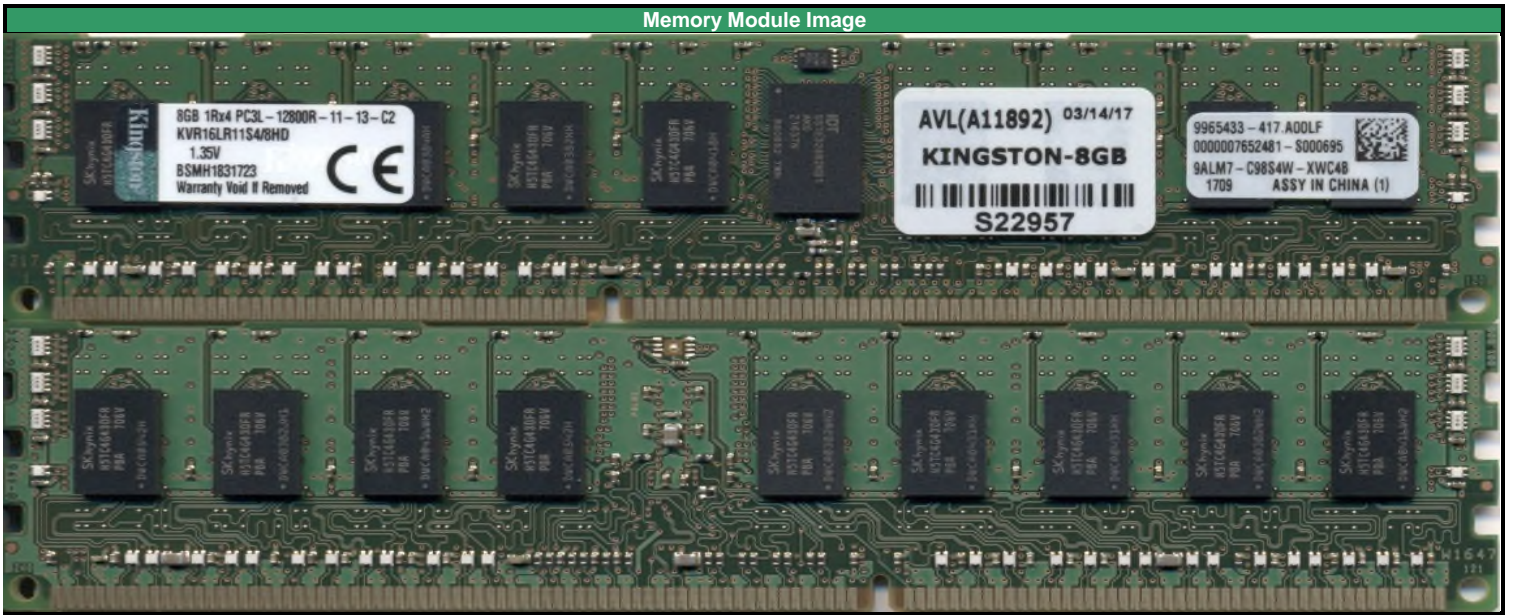
Test System: **Supermicro X9DAI** Test Result: **Pass**

Leveraged System(s): X9DR3-F, X9DRi-F, X9DRW-3F, X9DRW-iF, X9DA7, X9DR7-LN4F, X9DR7-JLN4F, X9DRE-LN4F, X9DRD-7LN4F, X9DRD-7JLN4F, X9DRD-EF, X9DRH-7F, X9DRH-7TF, X9DRH-iF, X9DRH-iTF, X9DRT-HF+, X9DRX+-F, X9DRG-QF

| Module Specifications |                  |                                  |         |                        |         |                  |    |     |      |
|-----------------------|------------------|----------------------------------|---------|------------------------|---------|------------------|----|-----|------|
| DIMM Vendor           | DIMM Part Number | Type                             | Voltage | Size                   | Config. | Speed            | CL | R/C | Rank |
| Kingston              | KVR16LR11S4/8HD  | RDIMM                            | 1.35V   | 8GB                    | 1Gx72   | 1600             | 11 | C   | SR   |
| DRAM Vendor           | DRAM Part Number | DRAM Density / Width / Date Code |         | Register Vendor / Rev. |         | DIMM Composition |    |     |      |
| Sk Hynix              | H5TC4G43DFR-PBA  | 4Gb / 1024Mx4bit / 1706          |         | IDT / 6.4              |         | (1024Mx4)*72     |    |     |      |

| System Configuration |  |
|----------------------|--|
| SETUP                | System Information                         |
| AVL S/N              | SN9376                                     |
| System S/N           | UM23S30507                                 |
| Board Rev. (PBA)     | 1234567890                                 |
| CPU Type             | Intel E5-2650(IVB) x 2                     |
| Chipset              | Intel C602                                 |
| BIOS / Date          | 3.2 /5/9/2015                              |
| BMC / ME             | n/a  |
| FRU/SDR              | n/a  |
| OS                   | Red Hat Enterprise Linux 6.2 Kernel 2.6.32 |
| Test Tool            | SAT, Memory Stress v1077                   |

| 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. Reset Cycle                               | 1 DIMM Per Channel when applicable               | Pass                 |
| 4a. Memory Stress                            | DIMM Loading per spec                            | 8 hours per config   |
| 4b. Memory Benchmark                         |  | 5 loops per config   |
| 4c. Reset Cycle                              |  | 200 loops per config |
| 5. Functional Stress Test                    |  | 12 hours             |
| Note:  |  |                      |



| AVL USE ONLY: |            |                  |          |        |       |         |        |
|---------------|------------|------------------|----------|--------|-------|---------|--------|
| Completed by: | Van Nguyen | Completion Date: | 4/7/2017 | AVL A# | 11892 | AVL W/O | WD7748 |
| Comments:     |            |                  |          |        |       |         |        |