

**Server Memory Compatibility Test Certificate**

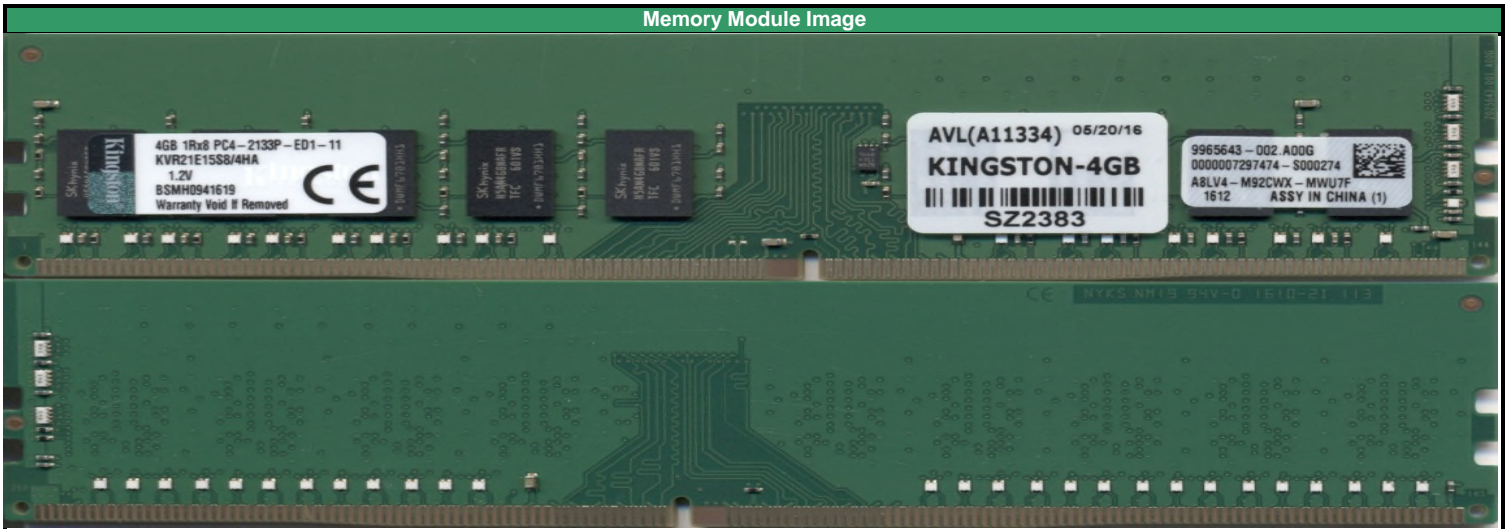
Test System: **Supermicro X11SSA-F** Test Result: **Pass**

Leveraged System(s): X11SSI-LN4F, X11SAT, X11SAT-F, X11SAE, X11SAE-F, X11SSW-F, X11SSE-F, X11SSD-F

| Module Specifications |                  |                                  |         |      |                        |       |                  |     |      | Rev. 1/13/2015 |
|-----------------------|------------------|----------------------------------|---------|------|------------------------|-------|------------------|-----|------|----------------|
| DIMM Vendor           | DIMM Part Number | Type                             | Voltage | Size | Config.                | Speed | CL               | R/C | Rank |                |
| Kingston              | KVR21E15S8/4HA   | UDIMM ECC                        | 1.20V   | 4GB  | 512Mx72                | 2133  | 15               | D   | SR   |                |
| DRAM Vendor           | DRAM Part Number | DRAM Density / Width / Date Code |         |      | Register Vendor / Rev. |       | DIMM Composition |     |      |                |
| Sk Hynix              | H5AN4G8NAFR-TFC  | 4Gb 512Mx8bit 1601               |         |      | N/A 0                  |       | (512x8)*72       |     |      |                |

| System Configuration |                                 |
|----------------------|---------------------------------|
| SETUP                | System Information              |
| AVL S/N              | SZ2379                          |
| System S/N           | ZM15BS025342                    |
| Board Rev. (PBA)     | 1.02                            |
| CPU Type             | Intel Xeon E3-1245 v4           |
| Chipset              | Skylake                         |
| BIOS / Date          | 1.0a / 12/30/15                 |
| BMC / ME             | 1.12                            |
| FRU/SDR              | N/A                             |
| OS                   | Ubuntu 14.04                    |
| Test Tool            | Memtest86 V6.3.0/MPMemory v1078 |

| 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                 |
| 3a. Memory Stress                            | DIMM Loading per spec                            | 5 loops per config   |
| 3b. Memtest86                                |  | 4 loops per config   |
| 3c. Reset Cycle                              |  | 200 loops per config |
| Note:  |  |                      |



| AVL USE ONLY: |            |                  |           |        |       |         |        |
|---------------|------------|------------------|-----------|--------|-------|---------|--------|
| Completed by: | Van Nguyen | Completion Date: | 6/22/2016 | AVL A# | 11334 | AVL W/O | WD6027 |
| Comments:     |            |                  |           |        |       |         |        |