# Computer Memory Test Labs

## Intel® Advanced Tested Final Report

## MOTHERBOARD INFORMATION

<table>
<thead>
<tr>
<th>Motherboard</th>
<th>Manufacturer</th>
<th>Chipset</th>
<th>Test Number</th>
<th>Test Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>DH87RL</td>
<td>Intel</td>
<td>Intel® H87</td>
<td>020974</td>
<td>PASSED</td>
</tr>
</tbody>
</table>

## MEMORY MODULE INFORMATION

<table>
<thead>
<tr>
<th>CMTL Part #:</th>
<th>EDG027</th>
</tr>
</thead>
</table>

**Manufacturer Name:** EDGE Memory  
**Manufacturer Part #:** PE237219  
**DRAM Manufacturer:** Micron  
**DRAM Part #:** MT41K512M8RH-125:J D9QVG rev J  
**Module Config:** 1024M x 64  
**Module Size:** 8GB  
**PCB Part #:** 50-1463-01-B rev B  
**PCB Layer Count:** 6 Layer  
**Module Information:** Unbuffered 1.35V Non-ECC 1600MHz DDR3 DIMM

## SYSTEM INFORMATION

### MINIMUM SYSTEM INFORMATION

- **Minimum System:** DH87RL  
- **Serial Number:** BQRL315000BV  
- **Board Revision:** G74240-400  
- **Bios Memory Count:** 16GB  
- **Processor Code:** Intel® Core™ i5-4570T @ 2.90GHz  
- **Bios at time of test:** RLH8710H.86A.0317.2013.0426.1724  
- **RST PRO Count:** 16G 510M  

### MAXIMUM SYSTEM INFORMATION

- **Maximum System:** DH87RL  
- **Serial Number:** BQRL315000E1  
- **Board Revision:** G74240-400  
- **Bios Memory Count:** 32GB  
- **Processor Code:** Intel® Core™ i5-4570T @ 2.90GHz  
- **Bios at time of test:** RLH8710H.86A.0317.2013.0426.1724  
- **R.S.T PRO Count:** 32G 510M

## TESTING DETAILS

<table>
<thead>
<tr>
<th>Environment Code:</th>
<th>RoHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Profile:</td>
<td>Yes</td>
</tr>
<tr>
<td>Cas Latency:</td>
<td>11</td>
</tr>
<tr>
<td>Bank:</td>
<td>2</td>
</tr>
<tr>
<td>55°C Temperature / Standard Voltage</td>
<td></td>
</tr>
</tbody>
</table>
- **Start Date:** 08/21/2013  
- **Stop Date:** 08/26/2013  
- **Insertion Test:** Pass  
- **SPD Check:** Pass  
- **Minimum Load:** Pass  
- **Maximum Load:** Pass  
- **S0 ~ S5 Test:** Pass  
- **Power Cycle Test:** Pass  
- **Test Card Version:** R.S.T Premium v6.05

Microsoft Windows-7 64bit version is used as it support over 4GB memory and must support target chipset/CPU platform. All board drivers must be loaded when drivers are available on Intel web site. Front panel power cycling test, ACPI S3 sleep state cycling test, and Hibernate S4/SS state cycling test is done up to 20 cycle each when the board support it. At least 2 loops of all test under R.S.T PRO3 to be completed.

## Test Notes:

- Min configuration, 5 Loops Passed, 0 Error; Memory speed running @ 1600MHz  
- Max configuration, 5 Loops Passed, 0 Error; Memory speed running @ 1600MHz