## MOTHERBOARD

<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>S5520SCR</td>
<td>INTEL</td>
<td>INTEL 5520</td>
<td>SMTL0023</td>
<td>PASS</td>
</tr>
</tbody>
</table>

### Module Information

- **Manufacturer Name:** SMART MODULAR TECH
- **Module Type:** DDR3 REGISTERED ECC DIMM
- **Manufacturer P/N:** SG5127RV325693-SF
- **Memory Capacity:** 4GB
- **Module Configuration:** 6 PER CPU/12 TOTAL
- **DRAM Supplier:** SAMSUNG
- **DRAM Part Number:** K4B1G0446F-HYH9
- **PCB Part Number:** 1K70CH1
- **PCB Layer Count:** 6

### Minimum System Information

<table>
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<tr>
<th>System Name</th>
<th>Serial Number</th>
<th>BIOS Version</th>
<th>Processor Code</th>
<th>OS Memory Size</th>
<th>OS Version</th>
<th>Test Version</th>
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<tr>
<td>S5520SCR</td>
<td>QSHV00800136</td>
<td>AMI S5500.86B.01.00.0045</td>
<td>INTEL XEON X5650</td>
<td>24GB</td>
<td>LINUX SMP 2.6.28.10</td>
<td>HPL XLINPAK 10.2.3.MKL</td>
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<td>48GB</td>
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## PRE-TESTING INFORMATION

- **Board Revision:**
- **Insertion Test:** PASS
- **SPD Check:** PASS
- **DDR Speed Check:** PASS
- **Boot Time:** 1 MIN
- **Voltage Margining Info:**
  - **Volt %:** +/-3%
  - **Volt Low:** 1.31 volt
  - **Volt High:** 1.39 volt

### Testing Details for Volt Low

- **Temperature:** 55C
- **Start Date:** 7/20/2010
- **Stop Date:** 7/21/2010
- **DDR Speed:** 1333MHz
- **Summary Min:** P
- **Summary Max:** P
- **Test Status:** PASS

### Testing Details for Volt High

- **Temperature:** 55C
- **Start Date:** 7/23/2010
- **Stop Date:** 7/23/2010
- **DDR Speed:** 1333MHz
- **Summary Min:** P
- **Summary Max:** P
- **Test Status:** PASS

### Serial Number List

1) SFR2010051996946  2) SFR2010051996950  3) SFR2010051996952  4) SFR2010051996955
5) SFR2010051996949  6) SFR2010051996945  7) SFR2010051996953  8) SFR2010051996944
9) SFR2010051996947  10) SFR2010051996943  11) SFR2010051996951  12) SFR2010051996954
13) 14) 15) 16)

## CONTACT INFORMATION

- **Contact:** Arthur Sainio
- **Phone:** 1-510-624-8126
- **e-mail:** arthur.sainio@smartm.com

- **Test Traveler Notes:**
- **VERIFICATION**
  - **Verified by:** Jim Schwarz

- **Test Technician:** Mark Durand