Summary

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| Report Date | 2020-03-11 22:30:50 |
| Generated by | MemTest86 V8.3 Free (64-bit) |
| Result | FAIL |

System Information

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| EFI Specifications | 2.31 |
| System |  |
| Manufacturer | ASUS |
| Product Name | All Series |
| Version | System Version |
| Serial Number | System Serial Number |
| BIOS |  |
| Vendor | American Megatrends Inc. |
| Version | 1505 |
| Release Date | 06/05/2014 |
| Baseboard |  |
| Manufacturer | ASUSTeK COMPUTER INC. |
| Product Name | MAXIMUS VI HERO |
| Version | Rev 1.xx |
| Serial Number | 140222240401520 |
| CPU Type | Intel Core i7-4790K @ 4.00GHz |
| CPU Clock | 4000 MHz [Turbo: 4600.0 MHz] |
| # Logical Processors | 8 (4 enabled for testing) |
| L1 Cache | 4 x 64K (221216 MB/s) |
| L2 Cache | 4 x 256K (63551 MB/s) |
| L3 Cache | 8192K (46914 MB/s) |
| Memory | 16344M (19819 MB/s) |
| DIMM Slot #0 | 8GB DDR3 XMP PC3-12800 |
|  | Crucial Technology / BLS8G3D1609DS1S00. / 33230000 |
|  | 9-9-9-24 / 1600 MHz / 1.500V |
| DIMM Slot #1 | 8GB DDR3 XMP PC3-12800 |
|  | Crucial Technology / BLS8G3D1609DS1S00. / 05510000 |
|  | 9-9-9-24 / 1600 MHz / 1.500V |

Result summary

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| Test Start Time | 2020-03-11 22:20:13 |
| Elapsed Time | 0:04:33 |
| Memory Range Tested | 0x0 - 41F000000 (16880MB) |
| CPU Selection Mode | Parallel (All CPUs) |
| ECC Polling | Enabled |
| # Tests Passed | 3/7 (42%) |

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| Lowest Error Address | 0x76002158 (1888MB) |
| Highest Error Address | 0x4139BA318 (16697MB) |
| Bits in Error Mask | 0000000009050000 |
| Bits in Error | 4 |
| Max Contiguous Errors | 1 |

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| Test | # Tests Passed | Errors |
| Test 0 [Address test, walking ones, 1 CPU] | 1/1 (100%) | 0 |
| Test 1 [Address test, own address, 1 CPU] | 1/1 (100%) | 0 |
| Test 2 [Address test, own address] | 1/1 (100%) | 0 |
| Test 3 [Moving inversions, ones & zeroes] | 0/1 (0%) | 277 |
| Test 4 [Moving inversions, 8-bit pattern] | 0/1 (0%) | 1980 |
| Test 5 [Moving inversions, random pattern] | 0/1 (0%) | 2763 |
| Test 6 [Block move, 64-byte blocks] | 0/1 (0%) | 3042 |
| Test 7 [Moving inversions, 32-bit pattern] | 0/0 (0%) | 2037 |
| Test 8 [Random number sequence] | 0/0 (0%) | 0 |
| Test 9 [Modulo 20, ones & zeros] | 0/0 (0%) | 0 |
| Test 10 [Bit fade test, 2 patterns, 1 CPU] | 0/0 (0%) | 0 |
| Test 13 [Hammer test] | 0/0 (0%) | 0 |

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| Last 10 Errors |
| 2020-03-11 22:24:46 - [Data Error] Test: 7, CPU: 0, Address: 7C1120CC, Expected: 00100000, Actual: 00110000 |
| 2020-03-11 22:24:46 - [Data Error] Test: 7, CPU: 0, Address: 7C1123C4, Expected: 00040000, Actual: 00050000 |
| 2020-03-11 22:24:46 - [Data Error] Test: 7, CPU: 0, Address: 7C3320CC, Expected: 00100000, Actual: 00110000 |
| 2020-03-11 22:24:46 - [Data Error] Test: 7, CPU: 0, Address: 7C3FE39C, Expected: 00000100, Actual: 00010100 |
| 2020-03-11 22:24:46 - [Data Error] Test: 7, CPU: 0, Address: 7C44604C, Expected: 00100000, Actual: 00110000 |
| 2020-03-11 22:24:46 - [Data Error] Test: 7, CPU: 0, Address: 7C59A344, Expected: 00040000, Actual: 00050000 |
| 2020-03-11 22:24:46 - [Data Error] Test: 7, CPU: 0, Address: 7C665F0C, Expected: 00000010, Actual: 00010010 |
| 2020-03-11 22:24:46 - [Data Error] Test: 7, CPU: 0, Address: 7C6AA04C, Expected: 00100000, Actual: 00110000 |
| 2020-03-11 22:24:46 - [Data Error] Test: 7, CPU: 0, Address: 7C6EE0CC, Expected: 00100000, Actual: 00110000 |
| 2020-03-11 22:24:46 - [Data Error] Test: 7, CPU: 0, Address: 7C7B9F04, Expected: 00000004, Actual: 00010004 |