

SafeTI™ Hercules™ Diagnostic Library

Release version 2.3.1

The table below lists the memory requirements when integrating the library built in release mode.

| MEMORY STATISTICS (IN BYTES) for the SafeTI Hercules Diagnostic Library | | |
|--|-------------|--------------|
| RM48/TMS570LS31 | | |
| Program | Data | Total |
| 20032 | 505 | 20537 |
| RM46/TMS570LS12x/11x | | |
| Program | Data | Total |
| 20364 | 505 | 20869 |
| RM42/TMS570LS04x/03x | | |
| Program | Data | Total |
| 18040 | 503 | 18543 |
| RM57L/TMS570LC43x | | |
| Program | Data | Total |
| 15352 | 486 | 15838 |

| MEMORY STATISTICS (IN BYTES) for the TPS65381 driver | | |
|---|-------------|--------------|
| RM4 devices with VFP support | | |
| Program | Data | Total |
| 11304 | 252 | 11556 |
| RM4 devices without VFP support | | |
| Program | Data | Total |
| 11304 | 252 | 11556 |
| TMS570LS devices with VFP support | | |
| Program | Data | Total |
| 11316 | 252 | 11568 |
| TMS570LS devices without VFP support | | |
| Program | Data | Total |
| 11316 | 252 | 11568 |

Profiling data for SafeTI™ Hercules™ Diagnostic Library API.

Notes: Measurements were made on an RM42 and TMS570LS04 device, with HCLK = 80 MHz.

Some tests do not generate an ESM event, and hence the time to handler is not available.

Fault injection timings depend on the handling done by application, and hence is not profiled.

Please refer to the API user's guide for details on fault injection.

Timings are indicative, appropriate care should be taken by application when using the data provided here depending on application scenario.

| SafeTI Diagnostic Library Test | Timing Measurements (us) |
|--|--------------------------|
| SRAM_ECC_ERROR_FORCING_1BIT | 16.2375 |
| SRAM_ECC_1BIT_FAULT_INJECTION | NA |
| SRAM_ECC_ERROR_FORCING_2BIT | 219.375 |
| SRAM_ECC_2BIT_FAULT_INJECT | NA |
| SRAM_PAR_ADDR_CTRL_SELF_TEST | 223.6 |
| SRAM_ECC_ERROR_PROFILING | NA |
| SRAM_ECC_ERROR_PROFILING_FAULT_INJECT | NA |
| SRAM_RADECODE_DIAGNOSTICS | 419.6 |
| SRAM_LIVELOCK_DIAGNOSTICS | NA |
| ADC_SELFTEST_ALL | 53.475 |
| ADC_SRAM_PARITY_TEST | 7.175 |
| FEE_ECC_DATA_CORR_MODE | 11.3375 |
| FEE_ECC_SYN_REPORT_MODE | 7.925 |
| FEE_ECC_MALFUNCTION_MODE1 | 8.0375 |
| FEE_ECC_MALFUNCTION_MODE2 | 10.8375 |
| FEE_ECC_ADDR_TAG_REG_MODE | NA |
| FEE_ECC_TEST_MODE_1BIT | 12.5375 |
| FEE_ECC_TEST_MODE_1BIT_FAULT_INJECT | NA |
| FEE_ECC_TEST_MODE_2BIT | 11.725 |
| FEE_ECC_TEST_MODE_2BIT_FAULT_INJECT | NA |
| FLASH_ECC_ADDR_TAG_REG_MODE | NA |
| FLASH_ADDRESS_ECC_SELF_TEST | NA |
| FLASH_ADDRESS_ECC_FAULT_INJECT | NA |
| FLASH_ADDRESS_PARITY_SELF_TEST | 218.8375 |
| FLASH_ADDRESS_PARITY_FAULT_INJECT | NA |
| FLASH_ECC_TEST_MODE_1BIT | 11.55 |
| FLASH_ECC_TEST_MODE_2BIT | 418.3 |
| FLASH_HARD_ERROR_LIVELOCK | NA |
| FLASH_ECC_TEST_MODE_2BIT_FAULT_INJECT | 3.275 |
| PBIST_EXECUTE | NA |
| PBIST_EXECUTE_OVERRIDE | NA |
| STC_RUN | NA |
| STC_COMPARE_SELFCHK | NA |
| PSCON_SELF_TEST | NA |
| PSCON_ERROR_FORCING | NA |
| PSCON_ERROR_FORCING_FAULT_INJECT | NA |
| PSCON_SELF_TEST_ERROR_FORCING | NA |
| PSCON_SELF_TEST_ERROR_FORCING_FAULT_INJECT | NA |
| PSCON_PMA_TEST | NA |

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|--|---------|
| EFUSE_SELF_TEST_AUTOLOAD | NA |
| EFUSE_SELF_TEST_ECC | 7.0125 |
| EFUSE_SELF_TEST_STUCK_AT_ZERO | 209.725 |
| CCMR4F_SELF_TEST | NA |
| CCMR4F_ERROR_FORCING_TEST | NA |
| CCMR4F_ERROR_FORCING_TEST_FAULT_INJECT | NA |
| CCMR4F_SELF_TEST_ERROR_FORCING | NA |
| L2INTERCONNECT_RESERVED_ACCESS | 7.3625 |
| L2INTERCONNECT_UNPRIVILEGED_ACCESS | NA |
| L3INTERCONNECT_RESERVED_ACCESS | 6.975 |
| L3INTERCONNECT_UNPRIVILEGED_ACCESS | NA |
| VIM_SRAM_PARITY_TEST | 9.5125 |
| VIM_SOFTWARE_TEST | 419.95 |
| HET_SRAM_PARITY_TEST | 10.2 |
| HET_ANALOG_LOOPBACK_TEST | NA |
| HTU_SRAM_PARITY_TEST | 9.475 |
| MIBSPI_SRAM_PARITY_TEST | 11.875 |
| MIBSPI_ANALOG_LOOPBACK_TEST | 33 |
| SPI_ANALOG_LOOPBACK_TEST | 24.1875 |
| CAN_SRAM_PARITY_TEST | 12.925 |
| CAN_ANALOG_LOOPBACK_TEST | NA |
| GIO_ANALOG_LOOPBACK_TEST | 5.0625 |
| SCI_ANALOG_LOOPBACK_TEST | NA |

Profiling information for PBIST algorithms.

| RAM Group | PBIST Algorithm | Profiling measurement (us) |
|-----------------------------|---------------------------------|----------------------------|
| PBIST_RAMGROUP_01_PBIST_ROM | PBISTALGO_TRIPLE_READ_SLOW_READ | 239.2727273 |
| PBIST_RAMGROUP_01_PBIST_ROM | PBISTALGO_TRIPLE_READ_FAST_READ | 90.53181818 |
| PBIST_RAMGROUP_02_STC_ROM | PBISTALGO_TRIPLE_READ_SLOW_READ | 193.9863636 |
| PBIST_RAMGROUP_02_STC_ROM | PBISTALGO_TRIPLE_READ_FAST_READ | 75.06818182 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_MARCH13N_RED_2PORT | 304.6590909 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_DOWN1A_RED_2PORT | 80.75909091 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_MAPCOLUMN_2PORT | 94.61363636 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_PRECHARGE_2PORT | 72.85909091 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_DTXN2_2PORT | 106.4772727 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_FLIP10_2PORT | 66.14090909 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_IDDQ_2PORT | 27.77727273 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_RETENTION_2PORT | 27.77727273 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_IDDQ2_2PORT | 27.77727273 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_RETENTION2_2PORT | 27.77727273 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 28.17727273 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 28.17727273 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_MARCH13N_RED_2PORT | 303.0090909 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_DOWN1A_RED_2PORT | 79.58636364 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_MAPCOLUMN_2PORT | 94.61363636 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_PRECHARGE_2PORT | 72.85909091 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_DTXN2_2PORT | 106.4772727 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_PMOS_OPEN_2PORT | 246.5590909 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_FLIP10_2PORT | 66.14090909 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_IDDQ_2PORT | 27.77727273 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_RETENTION_2PORT | 27.77727273 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_IDDQ2_2PORT | 27.77727273 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_RETENTION2_2PORT | 27.77727273 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 28.17727273 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 28.17727273 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_MARCH13N_RED_2PORT | 303.0090909 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_DOWN1A_RED_2PORT | 79.58636364 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_MAPCOLUMN_2PORT | 94.61363636 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_PRECHARGE_2PORT | 72.85909091 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_DTXN2_2PORT | 106.4772727 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_PMOS_OPEN_2PORT | 246.5590909 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_FLIP10_2PORT | 66.14090909 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_IDDQ_2PORT | 27.77727273 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_RETENTION_2PORT | 27.77727273 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_IDDQ2_2PORT | 27.77727273 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_RETENTION2_2PORT | 27.77727273 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_IDDQROWSTRIPE_2PORT | 28.17727273 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 28.17727273 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_MARCH13N_RED_2PORT | 361.1454545 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_DOWN1A_RED_2PORT | 86.30454545 |

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|---------------------------|--------------------------------|-------------|
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_MAPCOLUMN_2PORT | 106.8681818 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_PRECHARGE_2PORT | 78.00454545 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_DTXN2_2PORT | 160.2590909 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_PMOS_OPEN_2PORT | 346.6 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_FLIP10_2PORT | 76.81363636 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_IDDQ_2PORT | 25.40454545 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_RETENTION_2PORT | 25.80454545 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_IDDQ2_2PORT | 25.40454545 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_RETENTION2_2PORT | 25.80454545 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 25.80454545 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 25.80454545 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_MARCH13N_RED_2PORT | 361.1454545 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_DOWN1A_RED_2PORT | 86.30454545 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_MAPCOLUMN_2PORT | 106.8681818 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_PRECHARGE_2PORT | 78.00454545 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_DTXN2_2PORT | 160.2590909 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_PMOS_OPEN_2PORT | 346.6045455 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_FLIP10_2PORT | 76.81363636 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_IDDQ_2PORT | 25.40454545 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_RETENTION_2PORT | 25.80454545 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_IDDQ2_2PORT | 25.40454545 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_RETENTION2_2PORT | 25.80454545 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_IDDQROWSTRIPE_2PORT | 25.80454545 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 25.80454545 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_MARCH13N_RED_2PORT | 361.1454545 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_DOWN1A_RED_2PORT | 86.30454545 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_MAPCOLUMN_2PORT | 106.8681818 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_PRECHARGE_2PORT | 78.00454545 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_DTXN2_2PORT | 160.2590909 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_PMOS_OPEN_2PORT | 346.6045455 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_FLIP10_2PORT | 76.81363636 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_IDDQ_2PORT | 25.40454545 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_RETENTION_2PORT | 25.80454545 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_IDDQ2_2PORT | 25.40454545 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_RETENTION2_2PORT | 25.80454545 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_IDDQROWSTRIPE_2PORT | 25.80454545 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 25.80454545 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_MARCH13N_RED_2PORT | 70.09090909 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_DOWN1A_RED_2PORT | 26.98636364 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_MAPCOLUMN_2PORT | 29.75909091 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_PRECHARGE_2PORT | 25.80454545 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_DTXN2_2PORT | 36.08636364 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_PMOS_OPEN_2PORT | 54.75909091 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_FLIP10_2PORT | 22.64090909 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_IDDQ_2PORT | 16.31363636 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_RETENTION_2PORT | 16.31363636 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_IDDQ2_2PORT | 16.31363636 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_RETENTION2_2PORT | 16.31363636 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 16.31363636 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 16.31363636 |

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|---------------------------|---------------------------------|-------------|
| PBIST_RAMGROUP_12_DMA | PBISTALGO_MARCH13N_RED_2PORT | 150.7090909 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_DOWN1A_RED_2PORT | 49.07727273 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_MAPCOLUMN_2PORT | 55.01363636 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_PRECHARGE_2PORT | 46.31363636 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_DTXN2_2PORT | 58.96818182 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_Pmos_OPEN_SLICE1_2POR | 78.40909091 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_Pmos_OPEN_SLICE2_1POR | 41.26818182 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_FLIP10_2PORT | 38.00454545 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_IDDQ_2PORT | 23.37727273 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_RETENTION_2PORT | 23.76818182 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_IDDQ2_2PORT | 23.37727273 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_RETENTION2_2PORT | 23.76818182 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_IDDQROWSTRIPE_2PORT | 23.76818182 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_IDDQROWSTRIPE2_2PORT | 23.76818182 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_MARCH13N_RED_2PORT | 412.9454545 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_DOWN1A_RED_2PORT | 111.2227273 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_MAPCOLUMN_2PORT | 131.3863636 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_PRECHARGE_2PORT | 102.9136364 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_DTXN2_2PORT | 144.4409091 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_Pmos_OPEN_SLICE1_2POR | 239.1227273 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_Pmos_OPEN_SLICE2_1POR | 71.03181818 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_FLIP10_2PORT | 87.09545455 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_IDDQ_2PORT | 38.45909091 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_RETENTION_2PORT | 38.85 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_IDDQ2_2PORT | 38.45909091 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_RETENTION2_2PORT | 38.85 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 39.25 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 39.25 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_MARCH13N_RED_2PORT | 132.9636364 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_DOWN1A_RED_2PORT | 47.95 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_MAPCOLUMN_2PORT | 52.69545455 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_PRECHARGE_2PORT | 46.36818182 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_DTXN2_2PORT | 54.27727273 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_Pmos_OPEN_2PORT | 75.32272727 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_FLIP10_2PORT | 34.89545455 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_IDDQ_2PORT | 25.01363636 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_RETENTION_2PORT | 25.40454545 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_IDDQ2_2PORT | 25.01363636 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_RETENTION2_2PORT | 25.40454545 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 25.40454545 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 25.40454545 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_MARCH13N_RED_2PORT | 70.09090909 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_DOWN1A_RED_2PORT | 26.98636364 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_MAPCOLUMN_2PORT | 29.75909091 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_PRECHARGE_2PORT | 25.80454545 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_DTXN2_2PORT | 36.08636364 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_Pmos_OPEN_2PORT | 54.75909091 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_FLIP10_2PORT | 22.64090909 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_IDDQ_2PORT | 16.31363636 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_RETENTION_2PORT | 16.31363636 |

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| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_IDDQ2_2PORT | 16.31363636 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_RETENTION2_2PORT | 16.31363636 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 16.31363636 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 16.31363636 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_MARCH13N_RED_2PORT | 412.9454545 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_DOWN1A_RED_2PORT | 111.2227273 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_MAPCOLUMN_2PORT | 131.3863636 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_PRECHARGE_2PORT | 102.9136364 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_DTXN2_2PORT | 144.4409091 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_PMO5_OPEN_SLICE1_2POR | 239.1227273 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_PMO5_OPEN_SLICE2_1POR | 71.03181818 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_FLIP10_2PORT | 87.09545455 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_IDDQ_2PORT | 38.45909091 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_RETENTION_2PORT | 38.85 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_IDDQ2_2PORT | 38.45909091 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_RETENTION2_2PORT | 38.85 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 39.25 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 39.25 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_MARCH13N_RED_2PORT | 132.9636364 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_DOWN1A_RED_2PORT | 47.95 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_MAPCOLUMN_2PORT | 52.69545455 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_PRECHARGE_2PORT | 46.36818182 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_DTXN2_2PORT | 54.27727273 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_PMO5_OPEN_2PORT | 75.32272727 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_FLIP10_2PORT | 34.89545455 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_IDDQ_2PORT | 25.01363636 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_RETENTION_2PORT | 25.40454545 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_IDDQ2_2PORT | 25.01363636 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_RETENTION2_2PORT | 25.40454545 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 25.40454545 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 25.40454545 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_MARCH13N_RED_2PORT | 125.8272727 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_DOWN1A_RED_2PORT | 40.41363636 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_MAPCOLUMN_2PORT | 45.95 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_PRECHARGE_2PORT | 38.44090909 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_DTXN2_2PORT | 49.90454545 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_PMO5_OPEN_SLICE1_2POR | 71.40454545 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_PMO5_OPEN_SLICE2_1POR | 31.92272727 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_FLIP10_2PORT | 33.29545455 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_IDDQ_2PORT | 19.85 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_RETENTION_2PORT | 19.85 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_IDDQ2_2PORT | 19.85 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_RETENTION2_2PORT | 19.85 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 20.25 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 20.25 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_MARCH13N_RED_2PORT | 104.4727273 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_DOWN1A_RED_2PORT | 36.45909091 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_MAPCOLUMN_2PORT | 41.60454545 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_PRECHARGE_2PORT | 35.27727273 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_DTXN2_2PORT | 50.30454545 |

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| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_PMOS_OPEN_2PORT | 71.35 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_FLIP10_2PORT | 29.34090909 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_IDDQ_2PORT | 19.45909091 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_RETENTION_2PORT | 19.85 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_IDDQ2_2PORT | 19.45909091 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_RETENTION2_2PORT | 19.85 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 19.85 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 19.85 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_MAPCOLUMN_1PORT | 318.5272727 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_PRECHARGE_1PORT | 206.3363636 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_DTXN2_1PORT | 838.8545455 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_PMOS_OPEN_1PORT | 1918.645455 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_FLIP10_1PORT | 239.1363636 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_IDDQ_1PORT | 34.50909091 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_RETENTION_1PORT | 34.50909091 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_IDDQ2_1PORT | 34.50909091 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_RETENTION2_1PORT | 34.50909091 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_IDDQROWSTRIPE_1PORT | 34.50909091 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_IDDQROWSTRIPE2_1PORT | 34.50909091 |

Profiling data for SafeTI™ Hercules™ Diagnostic Library API.

Notes: Measurements were made on an RM46 and TMS570LS12 device, with HCLK = 220 MHz.

Some tests do not generate an ESM event, and hence the time to handler is not available.

Fault injection timings depend on the handling done by application, and hence is not profiled.

Please refer to the API user's guide for details on fault injection.

Timings are indicative, appropriate care should be taken by application when using the data provided here depending on application scenario.

| SafeTI Diagnostic Library Test | Timing Measurements (us) |
|--|--------------------------|
| SRAM_ECC_ERROR_FORCING_1BIT | 6.990909091 |
| SRAM_ECC_1BIT_FAULT_INJECTION | NA |
| SRAM_ECC_ERROR_FORCING_2BIT | 155.4590909 |
| SRAM_ECC_2BIT_FAULT_INJECT | NA |
| SRAM_PAR_ADDR_CTRL_SELF_TEST | 158.1863636 |
| SRAM_ECC_ERROR_PROFILING | NA |
| SRAM_ECC_ERROR_PROFILING_FAULT_INJECT | NA |
| SRAM_RADECODE_DIAGNOSTICS | 302.1909091 |
| SRAM_LIVELOCK_DIAGNOSTICS | NA |
| ADC_SELFTEST_ALL | 36.53181818 |
| ADC_SRAM_PARITY_TEST | 2.940909091 |
| FEE_ECC_DATA_CORR_MODE | 4.831818182 |
| FEE_ECC_SYN_REPORT_MODE | 3.459090909 |
| FEE_ECC_MALFUNCTION_MODE1 | 3.522727273 |
| FEE_ECC_MALFUNCTION_MODE2 | 4.681818182 |
| FEE_ECC_ADDR_TAG_REG_MODE | NA |
| FEE_ECC_TEST_MODE_1BIT | 5.227272727 |
| FEE_ECC_TEST_MODE_1BIT_FAULT_INJECT | NA |
| FEE_ECC_TEST_MODE_2BIT | 5.081818182 |
| FEE_ECC_TEST_MODE_2BIT_FAULT_INJECT | NA |
| FLASH_ECC_ADDR_TAG_REG_MODE | NA |
| FLASH_ADDRESS_ECC_SELF_TEST | NA |
| FLASH_ADDRESS_ECC_FAULT_INJECT | NA |
| FLASH_ADDRESS_PARITY_SELF_TEST | 155.5590909 |
| FLASH_ADDRESS_PARITY_FAULT_INJECT | NA |
| FLASH_ECC_TEST_MODE_1BIT | 4.881818182 |
| FLASH_ECC_TEST_MODE_2BIT | 301.6227273 |
| FLASH_HARD_ERROR_LIVELOCK | NA |
| FLASH_ECC_TEST_MODE_2BIT_FAULT_INJECT | 1.5 |
| PBIST_EXECUTE | NA |
| PBIST_EXECUTE_OVERRIDE | NA |
| STC_RUN | NA |
| STC_COMPARE_SELFCHK | NA |
| PSCON_SELF_TEST | 1.854545455 |
| PSCON_ERROR_FORCING | 2.263636364 |
| PSCON_ERROR_FORCING_FAULT_INJECT | 4.718181818 |
| PSCON_SELF_TEST_ERROR_FORCING | 2.186363636 |
| PSCON_SELF_TEST_ERROR_FORCING_FAULT_INJECT | NA |
| PSCON_PMA_TEST | NA |

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| EFUSE_SELF_TEST_AUTOLOAD | NA |
| EFUSE_SELF_TEST_ECC | 5.236363636 |
| EFUSE_SELF_TEST_STUCK_AT_ZERO | 151.1318182 |
| CCMR4F_SELF_TEST | NA |
| CCMR4F_ERROR_FORCING_TEST | NA |
| CCMR4F_ERROR_FORCING_TEST_FAULT_INJECT | NA |
| CCMR4F_SELF_TEST_ERROR_FORCING | NA |
| L2INTERCONNECT_RESERVED_ACCESS | 3.640909091 |
| L2INTERCONNECT_UNPRIVILEGED_ACCESS | NA |
| L3INTERCONNECT_RESERVED_ACCESS | 3.781818182 |
| L3INTERCONNECT_UNPRIVILEGED_ACCESS | NA |
| VIM_SRAM_PARITY_TEST | 4.190909091 |
| VIM_SOFTWARE_TEST | 302.6363636 |
| DMA_SRAM_PARITY_TEST | 4.536363636 |
| DMA_SOFTWARE_TEST | 34.12727273 |
| HET_SRAM_PARITY_TEST | 4.918181818 |
| HET_ANALOG_LOOPBACK_TEST | 41.40454545 |
| HTU_SRAM_PARITY_TEST | 4.145454545 |
| MIBSPI_SRAM_PARITY_TEST | 5.309090909 |
| MIBSPI_ANALOG_LOOPBACK_TEST | 23.31363636 |
| SPI_ANALOG_LOOPBACK_TEST | 19.63636364 |
| CAN_SRAM_PARITY_TEST | 5.522727273 |
| CAN_ANALOG_LOOPBACK_TEST | NA |
| GIO_ANALOG_LOOPBACK_TEST | 2.404545455 |
| SCI_ANALOG_LOOPBACK_TEST | 1091.240909 |

Profiling information for PBIST algorithms.

| RAM Group | PBIST Algorithm | Profiling measurement (us) |
|-----------------------------|---------------------------------|----------------------------|
| PBIST_RAMGROUP_01_PBIST_ROM | PBISTALGO_TRIPLE_READ_SLOW_READ | 240.8136 |
| PBIST_RAMGROUP_01_PBIST_ROM | PBISTALGO_TRIPLE_READ_FAST_READ | 91.8800 |
| PBIST_RAMGROUP_02_STC_ROM | PBISTALGO_TRIPLE_READ_SLOW_READ | 195.2591 |
| PBIST_RAMGROUP_02_STC_ROM | PBISTALGO_TRIPLE_READ_FAST_READ | 76.5727 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_MARCH13N_RED_2PORT | 305.3900 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_DOWN1A_RED_2PORT | 81.3386 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_MAPCOLUMN_2PORT | 96.3577 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_PRECHARGE_2PORT | 74.1455 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_DTXN2_2PORT | 108.1873 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_FLIP10_2PORT | 67.6727 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_IDDQ_2PORT | 29.2455 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_RETENTION_2PORT | 29.2600 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_IDDQ2_2PORT | 29.2036 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_RETENTION2_2PORT | 29.2455 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 29.6455 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 29.6455 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_MARCH13N_RED_2PORT | 304.5245 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_DOWN1A_RED_2PORT | 81.0273 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_MAPCOLUMN_2PORT | 96.4000 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_PRECHARGE_2PORT | 74.1455 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_DTXN2_2PORT | 108.1673 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_Pmos_OPEN_2PORT | 247.6591 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_FLIP10_2PORT | 67.6727 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_IDDQ_2PORT | 29.2455 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_RETENTION_2PORT | 29.2455 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_IDDQ2_2PORT | 29.1827 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_RETENTION2_2PORT | 29.2455 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 29.6455 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 29.6600 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_MARCH13N_RED_2PORT | 304.5491 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_DOWN1A_RED_2PORT | 81.0273 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_MAPCOLUMN_2PORT | 96.4000 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_PRECHARGE_2PORT | 74.1455 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_DTXN2_2PORT | 108.1673 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_Pmos_OPEN_2PORT | 247.8345 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_FLIP10_2PORT | 67.6727 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_IDDQ_2PORT | 29.2455 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_RETENTION_2PORT | 29.2455 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_IDDQ2_2PORT | 29.2600 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_RETENTION2_2PORT | 29.2455 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_IDDQROWSTRIPE_2PORT | 29.6455 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 29.6455 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_MARCH13N_RED_2PORT | 362.7627 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_DOWN1A_RED_2PORT | 87.9000 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_MAPCOLUMN_2PORT | 108.5364 |

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| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_PRECHARGE_2PORT | 79.4168 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_DTXN2_2PORT | 161.9505 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_PMOS_OPEN_2PORT | 348.1818 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_FLIP10_2PORT | 78.1909 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_IDDQ_2PORT | 26.8182 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_RETENTION_2PORT | 16.1727 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_IDDQ2_2PORT | 26.8286 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_RETENTION2_2PORT | 16.1727 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 27.2141 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 27.2182 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_MARCH13N_RED_2PORT | 362.7555 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_DOWN1A_RED_2PORT | 87.9000 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_MAPCOLUMN_2PORT | 108.5364 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_PRECHARGE_2PORT | 79.4091 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_DTXN2_2PORT | 161.9582 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_PMOS_OPEN_2PORT | 348.1818 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_FLIP10_2PORT | 78.1909 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_IDDQ_2PORT | 26.8182 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_RETENTION_2PORT | 16.1077 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_IDDQ2_2PORT | 26.8323 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_RETENTION2_2PORT | 16.1000 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_IDDQROWSTRIPE_2PORT | 27.2182 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 27.2182 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_MARCH13N_RED_2PORT | 362.7555 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_DOWN1A_RED_2PORT | 87.9000 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_MAPCOLUMN_2PORT | 108.5364 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_PRECHARGE_2PORT | 79.4091 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_DTXN2_2PORT | 161.9509 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_PMOS_OPEN_2PORT | 348.1818 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_FLIP10_2PORT | 78.1909 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_IDDQ_2PORT | 26.8182 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_RETENTION_2PORT | 16.1000 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_IDDQ2_2PORT | 26.8400 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_RETENTION2_2PORT | 16.1000 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_IDDQROWSTRIPE_2PORT | 27.2182 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 27.2259 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_MARCH13N_RED_2PORT | 71.4677 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_DOWN1A_RED_2PORT | 28.4364 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_MAPCOLUMN_2PORT | 31.2636 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_PRECHARGE_2PORT | 27.6273 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_DTXN2_2PORT | 37.6709 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_PMOS_OPEN_2PORT | 56.2709 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_FLIP10_2PORT | 24.3909 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_IDDQ_2PORT | 17.9182 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_RETENTION_2PORT | 17.9182 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_IDDQ2_2PORT | 17.9327 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_RETENTION2_2PORT | 17.9182 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 17.9182 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 17.9182 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_MARCH13N_RED_2PORT | 152.2245 |

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|---------------------------|---------------------------------|----------|
| PBIST_RAMGROUP_12_DMA | PBISTALGO_DOWN1A_RED_2PORT | 50.6273 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_MAPCOLUMN_2PORT | 56.2909 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_PRECHARGE_2PORT | 47.8077 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_DTXN2_2PORT | 60.3523 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_PMOS_OPEN_SLICE1_2POR | 79.7500 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_PMOS_OPEN_SLICE2_1POR | 42.5609 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_FLIP10_2PORT | 39.3000 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_IDDQ_2PORT | 25.1455 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_RETENTION_2PORT | 25.1455 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_IDDQ2_2PORT | 25.0800 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_RETENTION2_2PORT | 25.1455 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_IDDQROWSTRIPE_2PORT | 25.1455 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_IDDQROWSTRIPE2_2PORT | 25.1455 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_MARCH13N_RED_2PORT | 414.1300 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_DOWN1A_RED_2PORT | 112.5818 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_MAPCOLUMN_2PORT | 132.8091 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_PRECHARGE_2PORT | 104.4909 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_DTXN2_2PORT | 146.0564 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_PMOS_OPEN_SLICE1_2POR | 240.5682 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_PMOS_OPEN_SLICE2_1POR | 72.5273 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_FLIP10_2PORT | 88.3091 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_IDDQ_2PORT | 40.1636 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_RETENTION_2PORT | 40.5805 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_IDDQ2_2PORT | 40.0977 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_RETENTION2_2PORT | 40.5727 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 40.9727 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 40.9727 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_MARCH13N_RED_2PORT | 134.5918 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_DOWN1A_RED_2PORT | 49.4727 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_MAPCOLUMN_2PORT | 54.3273 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_PRECHARGE_2PORT | 47.8545 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_DTXN2_2PORT | 55.8800 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_PMOS_OPEN_2PORT | 76.7636 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_FLIP10_2PORT | 36.5273 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_IDDQ_2PORT | 26.4091 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_RETENTION_2PORT | 26.8182 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_IDDQ2_2PORT | 26.4336 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_RETENTION2_2PORT | 26.8182 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 26.8182 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 26.8259 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_MARCH13N_RED_2PORT | 71.4677 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_DOWN1A_RED_2PORT | 28.4364 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_MAPCOLUMN_2PORT | 31.2636 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_PRECHARGE_2PORT | 27.6273 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_DTXN2_2PORT | 37.6709 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_PMOS_OPEN_2PORT | 56.2545 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_FLIP10_2PORT | 24.3909 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_IDDQ_2PORT | 17.9182 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_RETENTION_2PORT | 17.9182 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_IDDQ2_2PORT | 17.9327 |

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| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_RETENTION2_2PORT | 17.9182 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 17.9182 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 17.9182 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_MARCH13N_RED_2PORT | 414.1382 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_DOWN1A_RED_2PORT | 112.5818 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_MAPCOLUMN_2PORT | 132.8091 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_PRECHARGE_2PORT | 104.4986 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_DTXN2_2PORT | 146.0886 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_PMOS_OPEN_SLICE1_2POR | 240.5759 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_PMOS_OPEN_SLICE2_1POR | 72.5432 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_FLIP10_2PORT | 88.3091 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_IDDQ_2PORT | 40.1636 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_RETENTION_2PORT | 40.5727 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_IDDQ2_2PORT | 40.0982 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_RETENTION2_2PORT | 40.5727 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 40.9727 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 40.9727 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_MARCH13N_RED_2PORT | 134.5918 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_DOWN1A_RED_2PORT | 49.4727 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_MAPCOLUMN_2PORT | 54.3273 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_PRECHARGE_2PORT | 47.8545 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_DTXN2_2PORT | 55.8473 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_PMOS_OPEN_2PORT | 76.7636 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_FLIP10_2PORT | 36.5273 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_IDDQ_2PORT | 26.4091 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_RETENTION_2PORT | 26.8259 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_IDDQ2_2PORT | 26.4250 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_RETENTION2_2PORT | 26.8182 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 26.8182 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 26.8182 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_MARCH13N_RED_2PORT | 129.3300 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_DOWN1A_RED_2PORT | 43.0000 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_MAPCOLUMN_2PORT | 48.2545 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_PRECHARGE_2PORT | 40.5727 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_DTXN2_2PORT | 52.2345 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_PMOS_OPEN_SLICE1_2POR | 73.4864 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_PMOS_OPEN_SLICE2_1POR | 34.1000 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_FLIP10_2PORT | 35.3091 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_IDDQ_2PORT | 21.9636 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_RETENTION_2PORT | 21.9636 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_IDDQ2_2PORT | 21.8655 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_RETENTION2_2PORT | 21.9636 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 21.9636 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 21.9714 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_MARCH13N_RED_2PORT | 107.9168 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_DOWN1A_RED_2PORT | 38.9545 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_MAPCOLUMN_2PORT | 43.8091 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_PRECHARGE_2PORT | 37.7364 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_DTXN2_2PORT | 52.6436 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_PMOS_OPEN_2PORT | 73.2973 |

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| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_FLIP10_2PORT | 31.2636 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_IDDQ_2PORT | 21.5545 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_RETENTION_2PORT | 21.5545 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_IDDQ2_2PORT | 21.5709 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_RETENTION2_2PORT | 21.5545 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 21.9636 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 21.9636 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_MAPCOLUMN_1PORT | 320.5355 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_PRECHARGE_1PORT | 208.0545 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_DTXN2_1PORT | 840.3545 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_PMOS_OPEN_1PORT | 1920.4986 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_FLIP10_1PORT | 240.8341 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_IDDQ_1PORT | 35.7182 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_RETENTION_1PORT | 36.1182 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_IDDQ2_1PORT | 35.7182 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_RETENTION2_1PORT | 36.0527 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_IDDQROWSTRIPE_1PORT | 36.1182 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_IDDQROWSTRIPE2_1PORT | 36.1182 |

Profiling data for SafeTI™ Diagnostic Library API.

Notes: Measurements were made on an RM48 and TMS570LS3137 device, with HCLK = 180 MHz.

Some tests do not generate an ESM event, and hence the time to handler is not available.

Fault injection timings depend on the handling done by application, and hence is not profiled.

Please refer to the API user's guide for details on fault injection.

Timings are indicative, appropriate care should be taken by application when using the data provided here depending on application scenario.

| SafeTI Diagnostic Library Test | Timing Measurements (us) |
|--|--------------------------|
| SRAM_ECC_ERROR_FORCING_1BIT | 8.661111111 |
| SRAM_ECC_1BIT_FAULT_INJECTION | NA |
| SRAM_ECC_ERROR_FORCING_2BIT | 190.1388889 |
| SRAM_ECC_2BIT_FAULT_INJECT | NA |
| SRAM_PAR_ADDR_CTRL_SELF_TEST | 193.2222222 |
| SRAM_ECC_ERROR_PROFILING | NA |
| SRAM_ECC_ERROR_PROFILING_FAULT_INJECT | NA |
| SRAM_RADECODE_DIAGNOSTICS | 369.4222222 |
| SRAM_LIVELOCK_DIAGNOSTICS | NA |
| ADC_SELFTEST_ALL | 39.46111111 |
| ADC_SRAM_PARITY_TEST | 3.705555556 |
| FEE_ECC_DATA_CORR_MODE | 5.816666667 |
| FEE_ECC_SYN_REPORT_MODE | 4.211111111 |
| FEE_ECC_MALFUNCTION_MODE1 | 4.333333333 |
| FEE_ECC_MALFUNCTION_MODE2 | 5.722222222 |
| FEE_ECC_ADDR_TAG_REG_MODE | NA |
| FEE_ECC_TEST_MODE_1BIT | 6.344444444 |
| FEE_ECC_TEST_MODE_1BIT_FAULT_INJECT | NA |
| FEE_ECC_TEST_MODE_2BIT | 6.327777778 |
| FEE_ECC_TEST_MODE_2BIT_FAULT_INJECT | NA |
| FLASH_ECC_ADDR_TAG_REG_MODE | NA |
| FLASH_ADDRESS_ECC_SELF_TEST | NA |
| FLASH_ADDRESS_ECC_FAULT_INJECT | NA |
| FLASH_ADDRESS_PARITY_SELF_TEST | 189.95 |
| FLASH_ADDRESS_PARITY_FAULT_INJECT | NA |
| FLASH_ECC_TEST_MODE_1BIT | 6.016666667 |
| FLASH_ECC_TEST_MODE_2BIT | 368.6222222 |
| FLASH_HARD_ERROR_LIVELOCK | NA |
| FLASH_ECC_TEST_MODE_2BIT_FAULT_INJECT | 1.816666667 |
| PBIST_EXECUTE | NA |
| PBIST_EXECUTE_OVERRIDE | NA |
| STC_RUN | NA |
| STC_COMPARE_SELFCHK | NA |
| PSCON_SELF_TEST | 2.222222222 |
| PSCON_ERROR_FORCING | 2.766666667 |
| PSCON_ERROR_FORCING_FAULT_INJECT | 5.961111111 |
| PSCON_SELF_TEST_ERROR_FORCING | 2.661111111 |
| PSCON_SELF_TEST_ERROR_FORCING_FAULT_INJECT | NA |
| PSCON_PMA_TEST | NA |

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| EFUSE_SELF_TEST_AUTOLOAD | NA |
| EFUSE_SELF_TEST_ECC | 6.47222222 |
| EFUSE_SELF_TEST_STUCK_AT_ZERO | 184.8277778 |
| CCMR4F_SELF_TEST | NA |
| CCMR4F_ERROR_FORCING_TEST | NA |
| CCMR4F_ERROR_FORCING_TEST_FAULT_INJECT | NA |
| CCMR4F_SELF_TEST_ERROR_FORCING | NA |
| L2INTERCONNECT_RESERVED_ACCESS | 4.63888889 |
| L2INTERCONNECT_UNPRIVILEGED_ACCESS | NA |
| L3INTERCONNECT_RESERVED_ACCESS | 4.69444444 |
| L3INTERCONNECT_UNPRIVILEGED_ACCESS | NA |
| VIM_SRAM_PARITY_TEST | 5.15555556 |
| VIM_SOFTWARE_TEST | 369.7333333 |
| DMA_SRAM_PARITY_TEST | 5.62777778 |
| DMA_SOFTWARE_TEST | 40.94444444 |
| HET_SRAM_PARITY_TEST | 5.78888889 |
| HET_ANALOG_LOOPBACK_TEST | 50.5666667 |
| HTU_SRAM_PARITY_TEST | 5.30555556 |
| MIBSPI_SRAM_PARITY_TEST | 6.59444444 |
| MIBSPI_ANALOG_LOOPBACK_TEST | 24.7666667 |
| SPI_ANALOG_LOOPBACK_TEST | 20.4 |
| CAN_SRAM_PARITY_TEST | 6.91111111 |
| CAN_ANALOG_LOOPBACK_TEST | NA |
| GIO_ANALOG_LOOPBACK_TEST | 3.03888889 |
| SCI_ANALOG_LOOPBACK_TEST | 1091.377778 |

Profiling information for PBIST algorithms.

| RAM Group | PBIST Algorithm | Profiling measurement (us) |
|-----------------------------|---------------------------------|----------------------------|
| PBIST_RAMGROUP_01_PBIST_ROM | PBISTALGO_TRIPLE_READ_SLOW_READ | 292.7556 |
| PBIST_RAMGROUP_01_PBIST_ROM | PBISTALGO_TRIPLE_READ_FAST_READ | 110.4778 |
| PBIST_RAMGROUP_02_STC_ROM | PBISTALGO_TRIPLE_READ_SLOW_READ | 237.0333 |
| PBIST_RAMGROUP_02_STC_ROM | PBISTALGO_TRIPLE_READ_FAST_READ | 92.0556 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_MARCH13N_RED_2PORT | 372.5222 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_DOWN1A_RED_2PORT | 98.8056 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_MAPCOLUMN_2PORT | 115.9778 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_PRECHARGE_2PORT | 88.8667 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_DTXN2_2PORT | 130.6444 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_FLIP10_2PORT | 80.8667 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_IDDQ_2PORT | 33.7556 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_RETENTION_2PORT | 34.2000 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_IDDQ2_2PORT | 33.7556 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_RETENTION2_2PORT | 34.2000 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 34.2000 |
| PBIST_RAMGROUP_03_DCAN1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 34.2000 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_MARCH13N_RED_2PORT | 370.6500 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_DOWN1A_RED_2PORT | 97.3111 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_MAPCOLUMN_2PORT | 115.9778 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_PRECHARGE_2PORT | 88.8667 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_DTXN2_2PORT | 130.6444 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_PMOS_OPEN_2PORT | 301.4222 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_FLIP10_2PORT | 80.8667 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_IDDQ_2PORT | 33.7556 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_RETENTION_2PORT | 34.2000 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_IDDQ2_2PORT | 33.7556 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_RETENTION2_2PORT | 34.2000 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 34.2000 |
| PBIST_RAMGROUP_04_DCAN2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 34.2000 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_MARCH13N_RED_2PORT | 370.6500 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_DOWN1A_RED_2PORT | 97.3111 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_MAPCOLUMN_2PORT | 115.9778 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_PRECHARGE_2PORT | 88.8667 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_DTXN2_2PORT | 130.6444 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_PMOS_OPEN_2PORT | 301.4222 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_FLIP10_2PORT | 80.8667 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_IDDQ_2PORT | 33.7556 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_RETENTION_2PORT | 34.2000 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_IDDQ2_2PORT | 33.7556 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_RETENTION2_2PORT | 34.2000 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_IDDQROWSTRIPE_2PORT | 34.2000 |
| PBIST_RAMGROUP_05_DCAN3 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 34.2000 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_MARCH13N_RED_2PORT | 441.7556 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_DOWN1A_RED_2PORT | 105.7556 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_MAPCOLUMN_2PORT | 131.0889 |

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| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_PRECHARGE_2PORT | 95.0889 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_DTXN2_2PORT | 195.9778 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_PMOS_OPEN_2PORT | 423.6444 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_FLIP10_2PORT | 93.7556 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_IDDQ_2PORT | 31.0889 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_RETENTION_2PORT | 31.5333 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_IDDQ2_2PORT | 31.0889 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_RETENTION2_2PORT | 31.5333 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 31.5333 |
| PBIST_RAMGROUP_07_MIBSPI1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 31.5333 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_MARCH13N_RED_2PORT | 441.7556 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_DOWN1A_RED_2PORT | 105.7556 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_MAPCOLUMN_2PORT | 131.0889 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_PRECHARGE_2PORT | 95.0889 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_DTXN2_2PORT | 195.9778 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_PMOS_OPEN_2PORT | 423.6500 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_FLIP10_2PORT | 93.7556 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_IDDQ_2PORT | 31.0889 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_RETENTION_2PORT | 31.5333 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_IDDQ2_2PORT | 31.0889 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_RETENTION2_2PORT | 31.5333 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_IDDQROWSTRIPE_2PORT | 31.5333 |
| PBIST_RAMGROUP_08_MIBSPI3 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 31.5333 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_MARCH13N_RED_2PORT | 441.7556 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_DOWN1A_RED_2PORT | 105.7556 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_MAPCOLUMN_2PORT | 131.0889 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_PRECHARGE_2PORT | 95.0889 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_DTXN2_2PORT | 195.9778 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_PMOS_OPEN_2PORT | 423.6500 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_FLIP10_2PORT | 93.7556 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_IDDQ_2PORT | 31.0889 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_RETENTION_2PORT | 31.5333 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_IDDQ2_2PORT | 31.0889 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_RETENTION2_2PORT | 31.5333 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_IDDQROWSTRIPE_2PORT | 31.5333 |
| PBIST_RAMGROUP_09_MIBSPI5 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 31.5333 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_MARCH13N_RED_2PORT | 85.7556 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_DOWN1A_RED_2PORT | 32.8667 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_MAPCOLUMN_2PORT | 36.4222 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_PRECHARGE_2PORT | 31.9778 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_DTXN2_2PORT | 44.4222 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_PMOS_OPEN_2PORT | 67.2056 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_FLIP10_2PORT | 27.9778 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_IDDQ_2PORT | 19.9778 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_RETENTION_2PORT | 19.9778 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_IDDQ2_2PORT | 19.9778 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_RETENTION2_2PORT | 19.9778 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 19.9778 |
| PBIST_RAMGROUP_11_MIBADC1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 19.9778 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_MARCH13N_RED_2PORT | 184.3556 |

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|---------------------------|---------------------------------|----------|
| PBIST_RAMGROUP_12_DMA | PBISTALGO_DOWN1A_RED_2PORT | 59.9111 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_MAPCOLUMN_2PORT | 67.0222 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_PRECHARGE_2PORT | 56.8000 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_DTXN2_2PORT | 72.3556 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_PMOS_OPEN_SLICE1_2POR | 95.8333 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_PMOS_OPEN_SLICE2_1POR | 50.4444 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_FLIP10_2PORT | 46.5778 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_IDDQ_2PORT | 28.8000 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_RETENTION_2PORT | 28.8000 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_IDDQ2_2PORT | 28.8000 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_RETENTION2_2PORT | 28.8000 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_IDDQROWSTRIPE_2PORT | 28.8000 |
| PBIST_RAMGROUP_12_DMA | PBISTALGO_IDDQROWSTRIPE2_2PORT | 28.8000 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_MARCH13N_RED_2PORT | 504.8667 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_DOWN1A_RED_2PORT | 135.9778 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_MAPCOLUMN_2PORT | 160.4222 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_PRECHARGE_2PORT | 125.7556 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_DTXN2_2PORT | 176.8667 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_PMOS_OPEN_SLICE1_2POR | 292.2667 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_PMOS_OPEN_SLICE2_1POR | 86.8222 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_FLIP10_2PORT | 106.2000 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_IDDQ_2PORT | 47.0889 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_RETENTION_2PORT | 47.5333 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_IDDQ2_2PORT | 47.0889 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_RETENTION2_2PORT | 47.5333 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 47.9778 |
| PBIST_RAMGROUP_13_N2HET1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 47.9778 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_MARCH13N_RED_2PORT | 162.6444 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_DOWN1A_RED_2PORT | 58.6444 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_MAPCOLUMN_2PORT | 64.8667 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_PRECHARGE_2PORT | 56.8667 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_DTXN2_2PORT | 66.6444 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_PMOS_OPEN_2PORT | 92.0944 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_FLIP10_2PORT | 42.6444 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_IDDQ_2PORT | 30.6444 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_RETENTION_2PORT | 31.0889 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_IDDQ2_2PORT | 30.6444 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_RETENTION2_2PORT | 31.0889 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 31.0889 |
| PBIST_RAMGROUP_14_HETTU1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 31.0889 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_MARCH13N_RED_2PORT | 85.7556 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_DOWN1A_RED_2PORT | 32.8667 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_MAPCOLUMN_2PORT | 36.4222 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_PRECHARGE_2PORT | 31.9778 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_DTXN2_2PORT | 44.4222 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_PMOS_OPEN_2PORT | 67.2056 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_FLIP10_2PORT | 27.9778 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_IDDQ_2PORT | 19.9778 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_RETENTION_2PORT | 19.9778 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_IDDQ2_2PORT | 19.9778 |

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| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_RETENTION2_2PORT | 19.9778 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 19.9778 |
| PBIST_RAMGROUP_18_MIBADC2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 19.9778 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_MARCH13N_RED_2PORT | 504.8667 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_DOWN1A_RED_2PORT | 135.9778 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_MAPCOLUMN_2PORT | 160.4222 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_PRECHARGE_2PORT | 125.7556 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_DTXN2_2PORT | 176.8667 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_PMOS_OPEN_SLICE1_2POR | 292.2667 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_PMOS_OPEN_SLICE2_1POR | 86.8222 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_FLIP10_2PORT | 106.2000 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_IDDQ_2PORT | 47.0889 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_RETENTION_2PORT | 47.5333 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_IDDQ2_2PORT | 47.0889 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_RETENTION2_2PORT | 47.5333 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 47.9778 |
| PBIST_RAMGROUP_19_N2HET2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 47.9778 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_MARCH13N_RED_2PORT | 162.6444 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_DOWN1A_RED_2PORT | 58.6444 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_MAPCOLUMN_2PORT | 64.8667 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_PRECHARGE_2PORT | 56.8667 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_DTXN2_2PORT | 66.6444 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_PMOS_OPEN_2PORT | 92.0944 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_FLIP10_2PORT | 42.6444 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_IDDQ_2PORT | 30.6444 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_RETENTION_2PORT | 31.0889 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_IDDQ2_2PORT | 30.6444 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_RETENTION2_2PORT | 31.0889 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 31.0889 |
| PBIST_RAMGROUP_20_HETTU2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 31.0889 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_MARCH13N_RED_2PORT | 156.4222 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_DOWN1A_RED_2PORT | 50.6444 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_MAPCOLUMN_2PORT | 57.3111 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_PRECHARGE_2PORT | 47.9778 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_DTXN2_2PORT | 61.7556 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_PMOS_OPEN_SLICE1_2POR | 88.2556 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_PMOS_OPEN_SLICE2_1POR | 40.0000 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_FLIP10_2PORT | 41.3111 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_IDDQ_2PORT | 24.8667 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_RETENTION_2PORT | 24.8667 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_IDDQ2_2PORT | 24.8667 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_RETENTION2_2PORT | 24.8667 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_IDDQROWSTRIPE_2PORT | 25.3111 |
| PBIST_RAMGROUP_23_ETHERNET1 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 25.3111 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_MARCH13N_RED_2PORT | 130.6444 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_DOWN1A_RED_2PORT | 45.7556 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_MAPCOLUMN_2PORT | 51.9778 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_PRECHARGE_2PORT | 44.4222 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_DTXN2_2PORT | 62.6444 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_PMOS_OPEN_2PORT | 88.0944 |

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| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_FLIP10_2PORT | 36.4222 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_IDDQ_2PORT | 24.4222 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_RETENTION_2PORT | 24.4222 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_IDDQ2_2PORT | 24.4222 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_RETENTION2_2PORT | 24.4222 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_IDDQROWSTRIPE_2PORT | 24.8667 |
| PBIST_RAMGROUP_24_ETHERNET2 | PBISTALGO_IDDQROWSTRIPE2_2PORT | 24.8667 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_MAPCOLUMN_1PORT | 389.8389 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_PRECHARGE_1PORT | 252.5111 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_DTXN2_1PORT | 1025.8444 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_PMOS_OPEN_1PORT | 2345.4000 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_FLIP10_1PORT | 292.5111 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_IDDQ_1PORT | 42.2889 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_RETENTION_1PORT | 42.2889 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_IDDQ2_1PORT | 42.2889 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_RETENTION2_1PORT | 42.2889 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_IDDQROWSTRIPE_1PORT | 42.2889 |
| PBIST_RAMGROUP_25_ETHERNET3 | PBISTALGO_IDDQROWSTRIPE2_1PORT | 42.2889 |