PROFILING EXECUTION TIME:- in **CLOCK CYCLES**

**DMA TIMES ARE CALCULATED FOR OVERLAP CONDITION**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 10 Bytes | 100 Bytes | 1000 Bytes | 5000 Bytes |
| Memset(std lib) | 408 | 2987 | 31512 | 145723 |
| Memmove(std lib) | 425 | 3723 | 40423 | 186976 |
| my\_memset(O3 flag) | 408 | 3181 | 34105 | 157604 |
| my\_memmove(O3 flag) | 1287 | 10220 | 111806 | 518209 |
| Memset using dma (1byte) | 518 | 762 | 7303 | 33608 |
| Memmove using dma (1byte) | 826 | 1041 | 7732 | 34363 |
| Memset using dma (2bytes) | 527 | 623 | 6221 | 28354 |
| Memmove using dma ( 2 bytes) | 843 | 907 | 6523 | 29023 |
| Memset using dma (4 bytes) | 503 | 556 | 3476 | 25334 |
| Memmove using dma (4 bytes) | 805 | 893 | 5587 | 26045 |