

clock period 1/100\*10^6 = 10 ns

number of periods 2\*10^-3/10\*10^-9=200000

| **ime interval** | **Number of clk periods** | **Number of clk periods in hex** | **Number of clk periods in binary** |
| --- | --- | --- | --- |
| 2 ms | 200 000 | x"3\_0d40" | b"0011\_0000\_1101\_0100\_0000" |
| 4 ms | 400000 | x“6\_1a80“ | b“0110\_0001\_1010\_1000\_0000“ |
| 10 ms | 1000000 | x“f\_4240“ | b“1111\_0100\_0010\_0100\_0000“ |
| 250 ms | 25000000 | x“17d\_7840“ | b"1\_0111\_1101\_0111\_1000\_0100\_0000" |
| 500 ms | 50000000 | x“2fa\_f080“ | b"10\_1111\_1010\_1111\_0000\_1000\_0000" |
| 1 sec | 100 000 000 | x"5F5\_E100" | b"0101\_1111\_0101\_1110\_0001\_0000\_0000" |