

Period bits layout

<https://github.com/buybackoff/Period>

	Tick T	Milli L	Sec S	Min I	Hour H	Day D	Week W* (7D)	Month M	Quarter Q* (3M)	Year Y* (12M)	
63	Unused (0)										Flags
62	0	is not tick?								1	
61		0	0	0	1	1	<-	1	<-	<-	Period
60		0	1	1	0	0	<-	1	Unit period**	<-	
59		1	0	1	0	1	<-	0	<-	<-	
58											
57	Number of base periods in a period, 0-1023. E.g. for 1 week it is 7, for 1 quarter it is 3, for 1 year it is 12										Period
56											
55											
54											
53											Period
52											
51											
50											
49	Months since zero (1/1/0001 12:00:00 AM, 0-[9999*12+11]), takes 17 bits										Period
48											
47											
46											
45											Period
44											
43											
42											
41	Days in a month (0-30), takes 5 bits										Period
40											
39											
38											
37											Period
36											
35											
34											
33	Milliseconds in a day (0- 86 399 999), takes 27 bits										Period
32											
31											
30											
29											Period
28											
27											
26											
25	Start Time in UTC										Start Time in UTC
24											
23											
22											
21											Start Time in UTC
20											
19											
18											
17	Start Time in UTC										Start Time in UTC
16											
15											
14											
13											Start Time in UTC
12											
11											
10											
9	Start Time in UTC										Start Time in UTC
8											
7											
6											
5											Start Time in UTC
4											
3											
2											
1	Start Time in UTC										Start Time in UTC
0											

* a shortcut for a composite period

** base period of 7 (111 in bin) is eternity, used for static/constant values