xtal	period	period * 4
########	########	########

note	freq	period	period/2	inter count	act freq	count in hex
f4	349.25	0.002863	0.001432	1281	349.2827869	0501
f#4	370	0.002703	0.001351	1209	370.0837469	04B9
g4	392	0.002551	0.001276	1141	392.1395706	0475
g#4	415.3	0.002408	0.001204	1077	415.4422006	0435
a4	440	0.002273	0.001136	1016	440.3850886	03F8
a#4	466.15	0.002145	0.001073	959	466.560219	03BF
b4	493.9	0.002025	0.001012	905	494.3991713	0389
c5	523.25	0.001911	0.000956	855	523.3114035	0357
c#5	554.35	0.001804	0.000902	807	554.4377323	0327
d5	587.35	0.001703	0.000851	761	587.9517083	02F9
d#5	622.3	0.001607	0.000803	718	623.1633008	02CE
e5	659.3	0.001517	0.000758	678	659.9280973	02A6
f5	698.5	0.001432	0.000716	640	699.1113281	0280
f#5	740	0.001351	0.000676	604	740.7802152	025C
g5	784	0.001276	0.000638	570	784.9671053	023A
g#5	830.6	0.001204	0.000602	538	831.6565985	021A
a5	880	0.001136	0.000568	508	880.7701772	01FC
a#5	932.3	0.001073	0.000536	479	934.0944676	01DF
b5	987.8	0.001012	0.000506	452	989.892146	01C4
c6	1046.5	0.000956	0.000478	427	1047.848361	01AB
c#6	1108.7	0.000902	0.000451	403	1110.251241	0193
d6	1174.7	0.000851	0.000426	380	1177.450658	017C
d#6	1244.5	0.000804	0.000402	359	1246.326602	0167
e6	1318.5	0.000758	0.000379	339	1319.856195	0153
f6	1397	0.000716	0.000358	320	1398.222656	0140
f#6	1480	0.000676	0.000338	302	1481.56043	012E
g6	1568	0.000638	0.000319	285	1569.934211	011D
g#6	1661.2	0.000602	0.000301	269	1663.313197	010D
a6	1760	0.000568	0.000284	254	1761.540354	00FE
a#6	1864.7	0.000536	0.000268	239	1872.09728	00EF
b6	1975.5	0.000506	0.000253	226	1979.784292	00E2