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1: \#include < hidef.h> /* common defines and macros */
2: \#include < mc9s12dp512.h> /* derivative information */
 3: #pragma LINK_INFO DERIVATIVE "mc9s12dp512"
 5: #define SIN 16
 6: #define FREQUENCY 24000000/SIN
 7:
 8: #define MREPEAT 36
9: #define HREPEAT 34
10: #define BREPEAT 29
11:
12: #define MELODY 146
13: #define HARMONY 181
14: #define BASS 163
15:
16:
17: typedef const struct Note{
18: unsigned short frequency;
19:
    unsigned long length;
20:
21: } NoteType;
22:
23: //-----Music_InitOCO------
24: // arm output compare 0 for melody
25: // also enables timer to 43 ns period 26: // Input: none 27: // Output: none
28: void Music_InitOCO(void);
30: //-----Music_InitOC1-----
31: // arm output compare 1 for harmony
32: // Input: none
33: // Output: none
34: void Music_InitOC1(void);
35:
36: //-----Music_InitOC2-----
37: // arm output compare 2 for bass
38: // Input: none
39: // Output: none
40: void Music_InitOC2(void);
41:
42: //-----Music_InitOC3------
43: // arm output compare 3 for envelopes at 750 Hz
44: // Input: none
45: // Output: none
46: void Music_InitOC3(void);
47:
48: //-----Music_Restart-----
49: // arm output compare 3 for envelopes at 750 Hz
50: // Input: none
51: // Output: none
52: void Music_Restart(void);
```