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C51 COMPILER V7.04, COMPILATION OF MODULE PDOWN

OBJECT MODULE PLACED IN pdown.OBJ

COMPILER INVOKED BY: C:\Keil\C51\BIN\C51.EXE pdown.c BROWSE DEBUG OBJECTEXTEND

stmt level source

1 //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

2 //

3 // Author : ADI - Apps www.analog.com/MicroConverter

4 //

5 // Date : October 2003

6 //

7 // File : PDown.c

8 //

9 // Hardware : ADuC841

10 //

11 // Description : Demonstrates a use of a timer interval counter to

12 // wake the ADuC841 out of Power down mode after a user

13 // specified Power down time.

14 //

15 // The LED will, on power up, flash at 5Hz. After 5s

16 // the ADuC841 will enter power down mode (the LED will

17 // stop flashing in the off position).

18 //

19 // By pressing the external interrupt 0 button (INT0) or

20 // when the user specified time runs out (20s in this

21 // example) the ADuC841 will wake up and continue

22 // blinking as before for 5s before entering power down

23 // mode again.

24 //

25 //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

26

27 #include <stdio.h>

28 #include <ADuC841.h>

29

30 sbit LED = 0x0B4;

31

32 void DELAY(int);

33

34

35 void int0 () interrupt 0

36 {

37 1 }

38

39 void TIC\_int () interrupt 10

40 {

41 1 }

42

43 void main (void)

44 {

45 1 int i;

46 1 IEIP2 = 0xA4;

47 1 IT0 = 1;

48 1 EX0 = 1;

49 1 EA = 1;

50 1

51 1 while(1)

52 1 {

53 2 for(i=0;i<500;i++)

54 2 {

55 3 DELAY(8000);

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56 3 LED ^= 1;

57 3 }

58 2 INTVAL = 0x14;

59 2 TIMECON = 0x13;

60 2 LED = 1;

61 2 PCON = 0x22;

62 2

63 2 TIMECON = 0x00;

64 2 }

65 1 }

66

67 void DELAY(int length)

68 {

69 1 while (length >=0)

70 1 length--;

71 1 }

MODULE INFORMATION: STATIC OVERLAYABLE

CODE SIZE = 79 ----

CONSTANT SIZE = ---- ----

XDATA SIZE = ---- ----

PDATA SIZE = ---- ----

DATA SIZE = ---- 2

IDATA SIZE = ---- ----

BIT SIZE = ---- ----

END OF MODULE INFORMATION.

C51 COMPILATION COMPLETE. 0 WARNING(S), 0 ERROR(S)