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Header file for RTM_MSP430(for MSP430F2013)

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June      1,1998   New version on H8/3048F
November  4,2001   start porting to H8/3664F
December 15,2001
July      25,2004   add 16bit define
August    5,2006   Start porting to MSP430F2013
August    6,2006   looks like running!

```

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// #define STD

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#define OPT

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#if defined (STD)

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#define T_4MS 2 /* 2mS*2 = 4mS */
#define T_6MS 3 /* 2mS*3 = 6mS */
#define T_10MS 5 /* 2mS*5 = 10mS */
#define T_20MS 10 /* 2mS*10 = 20mS */
#define T_50MS 25 /* 2mS*25 = 50mS */
#define T_100MS 50 /* 2mS*50 = 100mS */
#define T_200MS 100 /* 2mS*100 = 200mS */
#define T_250MS 125 /* 2mS*125 = 250mS */
#define T_500MS 250 /* 2mS*250 = 500mS */
#define T_MAX 255 /* 2mS*255 = 510mS */

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// for 16bit user timers

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#define T_500MS_16B 250
#define T_1S_16B 500
#define T_5S_16B 2500
#define T_10S_16B 5000
#define T_20S_16B 10000
#define T_30S_16B 15000
#define T_1M_16B 30000
#endif

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#if defined (OPT)

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// #define T_BASE 4231 // 4.231mS

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#define T_BASE 4500 // 4.5mS
#define T_4MS (T_BASE/1000)
#define T_8MS ((T_BASE*2)/1000)
#define T_12MS ((T_BASE*3)/1000)
#define T_20MS ((T_BASE*5)/1000)
#define T_50MS (50000/T_BASE)
#define T_100MS (100000/T_BASE)
#define T_200MS (200000/T_BASE)
#define T_250MS (250000/T_BASE)
#define T_500MS (500000/T_BASE)
#define T_MAX 255

```

```

// for 16bit user timers

```

```

#define T_500MS_16B T_500MS
#define T_1S_16B (1000000/T_BASE)
#define T_5S_16B (5000000/T_BASE)
#define T_10S_16B (10000000/T_BASE)
#define T_20S_16B (20000000/T_BASE)
#define T_30S_16B (30000000/T_BASE)
#define T_1M_16B (60000000/T_BASE)

```

#endif

/****** RAM Define *****/

extern unsigned int

tim_usr0, /* user timer no.0 */
tim_usr1, /* user timer no.1 */
tim_usr2, /* user timer no.2 */
tim_usr3; /* user timer no.3 */

/****** Function Prototype *****/

void rtm_msp430_init(**void**);
void rtm_msp430(**void**);
void rtm_core(**void**);
void reqed0(**void**);
void reqed1(**void**);
void reqed2(**void**);
void reqed3(**void**);
void req_cyctsk(**void**);