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#ifndef _TIMER_H_
#define _TIMER_H_

#include "type.h"

#define TIMERO_PRESCALER 1024
#define MAX_TIMER_NO 16
#define SYSTEM_RHYTHM_MS 20//20ms

class CManagerTimer
{
private:
    UINT16 m_TimerCount[MAX_TIMER_NO];
    UINT16 m_TimerCountInit[MAX_TIMER_NO];
    UINT8 m_TimerEnable[MAX_TIMER_NO/8];
    UINT8 m_TimerIsrTaskPrio[MAX_TIMER_NO];
public:
    UINT8 m_TCNT0;

    CManagerTimer();
    UINT8 HardTimerInit(UINT8 ms);
    void HardTimerStart(void);
    void HardTimerClose(void);

    UINT8 SetTimer(UINT8 id,UINT8 prio,UINT32 ms);
    UINT8 KillTimer(UINT8 id);
    void TimerDecrease(void);
} ? end CManagerTimer ? ;

#endif
```

