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Servo.h - Interrupt driven Servo library for Arduino using 16 bit timers - Version 2

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\* Defines for 16 bit timers used with Servo library

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\* If \_useTimerX is defined then TimerX is a 16 bit timer on the current board

\* timer16\_Sequence\_t enumerates the sequence that the timers should be allocated

\* \_Nbr\_16timers indicates how many 16 bit timers are available.

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\* AVR Only definitions

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// Say which 16 bit timers can be used and in what order

#if defined(\_\_AVR\_ATmega1280\_\_) || defined(\_\_AVR\_ATmega2560\_\_)

#define \_useTimer5

#define \_useTimer1

#define \_useTimer3

#define \_useTimer4

typedef enum { \_timer5, \_timer1, \_timer3, \_timer4, \_Nbr\_16timers } timer16\_Sequence\_t;

#elif defined(\_\_AVR\_ATmega32U4\_\_)

#define \_useTimer1

typedef enum { \_timer1, \_Nbr\_16timers } timer16\_Sequence\_t;

#elif defined(\_\_AVR\_AT90USB646\_\_) || defined(\_\_AVR\_AT90USB1286\_\_)

#define \_useTimer3

#define \_useTimer1

typedef enum { \_timer3, \_timer1, \_Nbr\_16timers } timer16\_Sequence\_t;

#elif defined(\_\_AVR\_ATmega128\_\_) || defined(\_\_AVR\_ATmega1281\_\_) || defined(\_\_AVR\_ATmega1284\_\_) || defined(\_\_AVR\_ATmega1284P\_\_) || defined(\_\_AVR\_ATmega2561\_\_)

#define \_useTimer3

#define \_useTimer1

typedef enum { \_timer3, \_timer1, \_Nbr\_16timers } timer16\_Sequence\_t;

#else // everything else

#define \_useTimer1

typedef enum { \_timer1, \_Nbr\_16timers } timer16\_Sequence\_t;

#endif