V2.92.11 Quick Reference Chart

Legend:
Black is for seldom used functions
Orange is for CREATE functions
Red is for DELETE functions
Blue is for commonly used functions
Green is for comments

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				OPTIONS (opt)	Miscellaneous
Semaph	ores (OS_SEM.C)				
INT16U OS_EVENT OS_EVENT	OSSemAccept *OSSemCreate *OSSemDel	(OS_EVENT (INT16U (OS_EVENT INT8U INT8U	<pre>*pevent); cnt); *pevent, opt, *perr);</pre>	OS_DEL_NO_PEND OS_DEL_ALWAYS	
void	OSSemPend OSSemPendAbort	(OS_EVENT INT32U INT8U (OS_EVENT	<pre>*pevent,   timeout, *err); *pevent,</pre>	OS_PEND_OPT_NONE	
		INT8U INT8U	opt, *perr);	OS_PEND_OPT_BROADCAST	
INT8U INT8U	OSSemPost OSSemQuery	(OS_EVENT (OS_EVENT OS_SEM_DATA	<pre>*pevent; *pevent, *p_sem_data);</pre>		OS SEM DATA: INT16U OSCNt #if OS LOWEST PRIO <= 63 INT8U OSEventGrp INT8U OSEventTbl[] #else INT16U OSEventGrp INT16U OSEventTbl[] #endif
void	OSSemSet	(OS_EVENT INT16U INT8U	*pevent, cnt, *perr);		

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Mutual E	utual Exclusion Semaphores (OS_MUTEX.C)				
BOOLEAN	OSMutexAccept	(OS_EVENT INT8U	<pre>*pevent, *perr);</pre>		
OS_EVENT	*OSMutexCreate	(INT8U INT8U	<pre>prio, *perr);</pre>		
OS_EVENT	*OSMutexDel	(OS_EVENT INT8U INT8U	<pre>*pevent,     opt,     *pexr);</pre>	OS_DEL_NO_PEND OS_DEL_ALWAYS	
void	OSMutexPend	(OS_EVENT INT32U INT8U	*pevent, timeout, *perr);		
INT8U INT8U	OSMutexPost OSMutexQuery	(OS_EVENT (OS_EVENT OS MUTEX DATA	*pevent); *pevent, *p_mutex_data);		OS_MUTEX_DATA: BOOLEAN OSValue
					INTBU OSOwnerPrio INTBU OSWntexPIP #if OS_LOWEST_PRIO <= 63 INTBU OSEVENTGTP INTBU OSEVENTTDI[] #else INT16U OSEVENTGTP INT16U OSEVENTDI[] #endif

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	-			OPTIONS (opt)	Miscellaneous
<b>Event Fla</b>	gs (OS_FLAG.C)				
os_flags	OSFlagAccept	(OS_FLAG_GRP OS_FLAGS INT8U INT8U	<pre>*pgrp, flags, wait_type, *pern);</pre>		
OS_FLAG_GRP	*OSFlagCreate	(OS_FLAGS INT8U	<pre>flags, *perr);</pre>		
OS_FLAG_GRP	*OSFlagDel	(OS_FLAG_GRP INT8U INT8U	<pre>*pgrp,   opt, *perr);</pre>	OS_DEL_NO_PEND OS_DEL_ALWAYS	
INT8U	OSFlagNameGet	(OS_FLAG_GRP INT8U INT8U	*pgrp, **pname, *perr);		
void	OSFlagNameSet	(OS_FLAG_GRP INT8U INT8U	*pgrp, *pname, *perr);		
OS_FLAGS	OSFlagPend	(OS_FLAG_GRP OS_FLAGS INTEU INT16U INT8U	*pgrp, flags, wait_type, timeout, *perr);		wait_type:  OS_FLAG_WAIT_CLR_ALL  OS_FLAG_WAIT_CLR_AND  OS_FLAG_WAIT_CLR_ANY  OS_FLAG_WAIT_CLR_OR  OS_FLAG_WAIT_SET_ALL  OS_FLAG_WAIT_SET_AND  OS_FLAG_WAIT_SET_ANY  OS_FLAG_WAIT_SET_OR  +  OS_FLAG_CONSUME
OS_FLAGS OS_FLAGS	OSFlagPendGetFlagsRdy OSFlagPost	(void); (OS_FLAG_GRP OS_FLAGS INT8U INT8U	*pgrp, flags, opt, *perr);	OS_FLAG_CLR OS_FLAG_SET	
OS_FLAGS	OSFlagQuery	(OS_FLAG_GRP INT8U	*pgrp, *perr);		

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OPTIONS (opt) Miscellaneous Message Mailboxes (OS\_MBOX.C) void \*OSMboxAccept (OS\_EVENT \*pevent); \*OSMboxCreate OS\_EVENT (void \*msg); OS\_EVENT (OS EVENT \*OSMboxDel \*pevent. INT8U opt, INT8U \*perr); OS\_DEL\_NO\_PEND OS\_DEL\_ALWAYS void \*OSMboxPend (OS\_EVENT \*pevent, INT32U INT8U \*perr); OS\_PEND\_OPT\_NONE
OS\_PEND\_OPT\_BROADCAST INT8U OSMboxPendAbort (OS\_EVENT \*pevent, INT8U \*perr); INT8U OSMboxPost (OS EVENT \*pevent, void \*pmsg); OS\_POST\_OPT\_NONE
OS\_POST\_OPT\_BROADCAST
OS\_POST\_OPT\_NO\_SCHED INT8U OSMboxPostOpt (OS\_EVENT \*pevent, void INT8U \*pmsg, opt); INT8U (OS EVENT OSMboxQuery OS MBOX DATA: \*pevent, void \*msg #if OS\_LOWEST\_PRIO <= 63 INT8U OSEVentGrp INT8U OSEVentTbl[] OS\_MBOX\_DATA \*p\_mbox\_data); #else INT16U OSEventGrp INT16U OSEventTbl[] #endif

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				OPTIONS (opt)	Miscellaneous
Messag	e Queues (OS_Q.	C)			
void	*OSQAccept	(OS_EVENT INT8U	*pevent, *perr);		
OS_EVENT	*OSQCreate *OSQDel	(void INT16U (OS_EVENT INT8U INT8U	<pre>**start,     size); *pevent,     opt, *perr);</pre>	OS_DEL_NO_PEND OS_DEL_ALWAYS	
INT8U	OSQFlush	(OS_EVENT	*pevent);		
void	*OSQPendAbort	(OS_EVENT INT32U INT8U (OS_EVENT INT8U INT8U	<pre>*pevent,   timeout, *perr); *pevent,   opt, *perr);</pre>	OS_PEND_OPT_NONE OS_PEND_OPT_BROADCAST	
INT8U	OSQPost	(OS_EVENT	*pevent, *pmsg);		
INT8U	OSQPostFront	(OS_EVENT void	<pre>*pevent, *pmsg);</pre>		
INT8U	OSQPostOpt	(OS_EVENT void INT8U	*pevent, *pmsg, opt);	OS_POST_OPT_NOME OS_POST_OPT_BROADCAST OS_POST_OPT_FRONT OS_POST_OPT_NO_SCHED	
INTSU	OSQQuery	(OS_EVENT OS_Q_DATA	*pevent, *p_q_data);		OS_Q_DATA:  void *OSMsg INT16U OSNMsgs INT16U OSQSize #if OS_LOWEST_PRIO <= 63 INT8U OSEVentGrp INT8U OSEVentTbl[] #else INT16U OSEventGrp INT16U OSEVentTbl[] #endif

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				OPTIONS (opt)	Miscellaneous
Memory	y Management (O	S_MEM.C)			
OS_MEM	*OSMemCreate  *OSMemGet	(void INT32U INT32U INT8U	*addr, nblks, blksize, *perr);		
VOIG	*OSMemGet	(OS_MEM INT8U	*pmem, *perr);		
INT8U	OSMemNameGet	(OS_MEM INT8U INT8U	*pmem, **pname, *perr);		
void	OSMemNameSet	(OS_MEM INT8U INT8U	*pmem, *pname, *perr);		
INT8U	OSMemPut	(OS_MEM void	*pmem, *pblk);		
INT8U	OSMemQuery	(OS_MEM OS_MEM_DATA	*pmem, *p_mem_data);		OS_MEM_DATA: void *OSAddr void *OSFreeLis INT32U OSBlkSize INT32U OSNBlks INT32U OSNFree INT32U OSNUsed

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				OPTIONS (opt)	Miscellaneous
Task Ma	anagement (OS_TA	ASK.C)			
INT8U	OSTaskChangePrio	(INT8U INT8U	oldprio, newprio);		
INT8U	OSTaskCreate	(void void OS_STK INT8U	<pre>(*task) (void *p_arg) ,  *p_arg,  *ptos,  prio);</pre>		
INTSU	OSTaskCreateExt	(void void oS_STK INT8U INT16U OS_STK INT32U void INT16U	<pre>(*task) (void *p_arg),  *p_arg,  *ptos,  prio,  id,  *pbos,  stk_size,  *pext,  opt);</pre>	OS_TASK_OPT_NONE OS_TASK_OPT_STK_CHK OS_TASK_OPT_STK_CLR	
				OS_TASK_OPT_SAVE_FP	
INT8U INT8U	OSTaskDel	(INT8U	prio);		
INT8U	OSTaskNameGet	(INTSU INTSU INTSU	<pre>prio); prio, **pname, *perr);</pre>		
void	OSTaskNameSet	(INT8U INT8U INT8U	prio, *pname, *perr);		
INT32U	OSTaskRegGet	(INT8U INT8U INT8U	<pre>prio, id, *perr);</pre>		
INT8U	OSTaskRegGetID	(INT8U	*perr);		
void	OSTaskRegSet	(INT8U INT8U INT32U INT8U	<pre>prio, id, value, *perr);</pre>		
INT8U	OSTaskResume	(INT8U	prio);		
INT8U INT8U	OSTaskSuspend OSTaskStkChk	(INT8U (INT8U OS_STK_DATA	<pre>prio); prio, *p_stk_data);</pre>		OS_STK_DATA: INT32U .OSFree INT32U .OSUsed
INT8U	OSTaskQuery	(INT8U OS_TCB	prio, *p_task_data);		

### μC/OS-II, The Real-Time Kernel V2.92.11 Quick Reference Chart Micriµm Legend: Black is for seldom used functions Orange is for CREATE functions Red is for DELETE functions Blue is for commonly used functions Green is for comments 1290 Weston Road, Suite 306 Weston, FL 33326 www.Micrium.com OPTIONS (opt) Miscellaneous Time Management (OS\_TIME.C) OSTimeDly (INT32U void ticks); INT8U OSTimeDlyHMSM (INT8U hours, INT8U minutes, seconds, INT8U INT16U milli); INT8U (INT8U OSTimeDlyResume prio); INT32U OSTimeGet (void); void OSTimeSet (INT32U void OSTimeTick (void);

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				OPTIONS (opt)	Miscellaneous
Timer N	/lanagement (OS_	TMR.C)			
OS_TMR	*OSTmrCreate	(INT32U INT32U INT8U OS_TMR_CAL Void INT8U	dly, period, opt, LBACK callback, *callback, *pname,		
BOOLEAN	OSTmrDel	INT8U (OS_TMR INT8U	*perr); *ptmr, *perr);		
INT8U	OSTmrNameGet	(OS_TMR INT8U INT8U	*ptmr, **pdest, *perr);		
INT32U	OSTmrRemainGet	(OS_TMR INT8U	*ptmr, *perr);		
INT8U	OSTmrStateGet	(OS_TMR INT8U	*ptmr, *perr);		
BOOLEAN	OSTmrStart	(OS_TMR INT8U	*ptmr, *perr);	OS_TMR_OPT_PERIODIC OS_TMR_OPT_ONE_SHOT	
void	OSTmrStop	(OS_TMR INT8U Void INT8U	<pre>*ptmr,   opt, *callback_arg, *perr);</pre>	OS_TMR_OPT_NONE OS_TMR_OPT_CALLBACK OS_TMR_OPT_CALLBACK_ARG	
void	OSTmrSignal	(void);			

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				OPTIONS (opt)	Miscellaneous
Miscella	neous (OS_CORE.C)				
INT8U	OSEventNameGet	(OS_EVENT INT8U INT8U	*pevent, **pname, *perr);		
void	OSEventNameSet	(OS_EVENT INT8U INT8U	<pre>*pevent, *pname, *perr);</pre>		
void	OSEventPendMulti	(OS_EVENT OS_EVENT void INT16U INT8U	**pevents_pend,  **pevents_rdy,  **pmsgs_rdy,  timeout,  *perr);		
void	OSInit	(void);			
void	OSIntEnter	(void);			
void	OSIntExit	(void);			
void	OSSafetyCriticalStart	(void);			
void	OSSchedLock	(void);			
void	OSSchedUnlock	(void);			
void	OSStart	(void);			
void	OSStatInit	(void);			
OS_TLS_ID	OS_TLS_GetID	(INT8U	*perr);		
os_tls	OS_TLS_GetValue	OS_TCB OS_TLS_ID INT8U	<pre>*ptcb id, *perr);</pre>		
void	OS_TLS_SetDestruct	(OS_TLS_ID OS_TLS_DESTI	<pre>id, RUCT pdestruct *perr);</pre>		
void	OS_TLS_SetValue	(OS_TCB OS_TLS_ID OS_TLS INT8U	*ptcb id, value, *perl;		
INT16U	OSVersion	(void);	-		

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				OPTIONS (opt)	Miscellaneous		
Port Fu	Port Functions (OS_CPU_A.ASM)						
void	OSCtxSw	(void);					
void	OSIntCtxSw	(void);					
void	OSStartHighRdy	(void);					
Port Fu	nctions (OS_CPU_0	C.C)					
void	OSInitHookBegin	(void);					
void	OSInitHookEnd	(void);					
void	OSTaskCreateHook	(OS_TCB	*ptcb);				
void	OSTaskDelHook	(OS_TCB	*ptcb);				
void	OSTaskIdleHook	(void);					
void	OSTaskReturnHook	(OS_TCB	*ptcb);				
void	OSTaskStatHook	(void);					
OS_STK	*OSTaskStkInit	(void	(*task)(void *p_arg),				
		void	*p_arg,				
		OS_STK	*ptos,				
		INT16U	opt);				
void	OSTaskSwHook	(void);					
void	OSTCBInitHook	(OS_TCB	*ptcb);				
void	OSTimeTickHook	(void);					