Semaphores	INT16U OS_EVENT OS_EVENT void INT8U INT8U	OSSemAccept(OS_EVENT *pevent); *OSSemCreate(INT16U cnt); *OSSemDel(OS_EVENT *pevent, INT8U opt, INT8U *err); OSSemPend(OS_EVENT *pevent, INT16U timeout, INT8U *err); OSSemPost(OS_EVENT *pevent); OSSemQuery(OS_EVENT *pevent, OS_SEM_DATA *pdata);	OSSemDel() opt: OS_DEL_NO_PEND OS_DEL_ALWAYS	OS_SEM_DATA: INT16U OSCnt; INT8U OSEventTbl[]; INT8U OSEventGrp;						
Mutual Exclusion Semaphores	INT8U OS_EVENT OS_EVENT VOID INT8U INT8U	OSMutexAccept(OS_EVENT *pevent, INT8U *err); *OSMutexCreate(INT8U prio, INT8U *err); *OSMutexDel (OS_EVENT *pevent, INT8U opt, INT8U *err); OSMutexPend(OS_EVENT *pevent, INT16U timeout, INT8U *err); OSMutexPost(OS_EVENT *pevent); OSMutexQuery(OS_EVENT *pevent, OS_MUTEX_DATA *pdata);	OSMutexDel() opt: OS_DEL_NO_PEND OS_DEL_ALWAYS	OS_MUTEX_DATA: INT8U OSEventTbl[]; INT8U OSEventGrp; INT8U OSValue; INT8U OSOwnerPrio; INT8U OSMutexPIP;						
Event Flags		TLAG_GRP *OSFlagCreate(OS_FLAGS flags, INT8U *err); TLAG_GRP *OSFlagDel(OS_FLAG_GRP *pgrp, INT8U opt, INT8U *err); TLAGS OSFlagPend(OS_FLAG_GRP *pgrp, OS_FLAGS flags, INT8U wait_type, INT16U timeout, INT8U *err); TLAGS OSFlagPost(OS_FLAG_GRP *pgrp, OS_FLAGS flags, INT8U operation, INT8U *err);								
Message Mailboxes	void OS_EVENT OS_EVENT void INT8U INT8U INT8U	*OSMboxAccept(OS_EVENT *pevent); *OSMboxCreate(void *msg); *OSMboxDel(OS_EVENT *pevent, INT8U opt, INT8U *err); *OSMboxPend(OS_EVENT *pevent, INT6U timeout, INT8U *err); OSMboxPost(OS_EVENT *pevent, void *msg); OSMboxPostOpt(OS_EVENT *pevent, void *msg, INT8U opt); OSMboxQuery(OS_EVENT *pevent, OS_MBOX_DATA *pdata);	OS_DEL_NO_PEND OS_DEL_ALWAYS operation: OS_FLAG_CLR OS_FLAG_SET	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_Q_DATA:						
		1() opt: OSMboxPostOpt() opt: OS_MBOX_DATA: NO_PEND OS_POST_OPT_NONE void *OSMsg; ALWAYS OS_POST_OPT_BROADCAST INT8U OSEventTb1[]; INT8U OSEventGrp;	OSQDel() opt:							
Message Queues	void OS_EVENT OS_EVENT INT8U void INT8U	OSQFlush(OS_EVENT *pevent); *OSQPend(OS_EVENT *pevent, INT16U timeout, INT8U *err); OSQPost(OS_EVENT *pevent, void *msg);	OS_DEL_NO_PEND OS_DEL_ALWAYS PostOpt() opt: S_POST_OPT_NONE S_POST_OPT_BROADCAS' S_POST_OPT_FRONT	void *OSMsg; INT16U OSNMsgs; INT16U OSQSize; INT8U OSEventTbl[]; INT8U OSEventGrp;						
	INT8U INT8U INT8U	<pre>OSQPostFront(OS_EVENT *pevent, void *msg); OSQPostOpt(OS_EVENT *pevent, void *msg, INT8U opt); OSQQuery(OS_EVENT *pevent, OS_Q_DATA *pdata);</pre>		OS_MEM_DATA: void *OSAddr; void *OSFreeList;						
Memory Management	OS_MEM Void INT8U INT8U	*OSMemCreate(void *addr, INT32U nblks, INT32U blksize, INT8' *OSMemGet(OS_MEM *pmem, INT8U *err); OSMemPut(OS_MEM *pmem, void *pblk); OSMemQuery(OS_MEM *pmem, OS_MEM_DATA *pdata);	U *err);	INT32U OSBlkSize; INT32U OSNBlks; INT32U OSNFree; INT32U OSNUsed;						

µC/OS-II The Real-Time Kernel

V2.05 Quick Reference Chart

Task Management	INT8U	OSTaskChangePrio(INT8U oldprio, INT8U OSTaskCreate(void (*task)(void *pd), OSTaskCreateExt(void (*task)(void *p void *pdata, OS_STK *ptos, INT8U prio, INT8U prio, INT32U stk_size, void *pext, INT16U opt); OSTaskDel(INT8U prio); OSTaskDelReq(INT8U prio); OSTaskSuspend(INT8U prio); OSTaskSuspend(INT8U prio, OS_STK_DATA OSTaskQuery(INT8U prio, OS_TCB *pdata	<pre>void *pdata, 09 d), *pdata);</pre>	OSTasko OS_TA: OS_TA:	CreateExt() opt: SK_OPT_STK_CHK SK_OPT_STK_CLR SK_OPT_SAVE_FP _DATA: U OSFree;	OS_TCB: OS_STK void OS_STK INT32U INT16U INT16U INT16U OS_TCB OS_EVENT void OS_FLAGS INT16U INT8U	*OSTCBStkPtr; *OSTCBEXEPtr; *OSTCBSTERSize; OSTCBOpt; OSTCBId; *OSTCBNext; *OSTCBPrev; *OSTCBPrev; *OSTCBFlagNode; OSTCBFlagNode;
Time Management	void INT8U INT8U INT32U void	OSTimeDly(INT16U ticks); OSTimeDlyHMSM(INT8U hr, INT8U min, IN OSTimeDlyResume(INT8U prio); OSTimeGet(void); OSTimeSet(INT32U ticks);	T8U sec, INT16U	U ms);	NOTE: ORANGE is for CREATE RED is for DELETE BLUE is for Common GREEN is for Common	functions ly used fun	ctions
Miscellaneous	void void void void void void void INT16U	OSInit(void); OSIntEnter(void); OSIntExit(void); OSSchedLock(void); OSSchedUnlock(void); OSStart(void); OSStatInit(void); OSVersion(void);		N	licrium, I 949 Crestview Circ Weston, FL 3332 USA www.Micrium.cc	cle 7	