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	OS_FLAGS OS_FLAG_GRE OS_FLAGS OS_FLAGS OS_FLAGS OS_FLAGS	AG_GRP *OSFlagCreate(OS_FLAGS flags, INT8U *err); AG_GRP *OSFlagDel(OS_FLAG_GRP *pgrp, INT8U opt, INT8U *err); AGS OSFlagPend(OS_FLAG_GRP *pgrp, OS_FLAGS flags, INT8U wait_type, INT16U timeout, INT8U *err); AGS 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_OR OS_FLAG_WAIT_SET_ALL OS_FLAG_WAIT_SET_AND OS_FLAG_WAIT_SET_ANY OS_FLAG_WAIT_SET_OR				
	OSMboxDel() opt: OSMboxPostOpt() opt: OS_MBOX_DATA: OS_DEL_NO_PEND OS_POST_OPT_NONE void *OSMsg; OS_DEL_ALWAYS OS_POST_OPT_BROADCAST INT8U OSEventTbl[]; INT8U OSEventGrp;		OSQDel() opt:	+ OS_FLAG_CONSUME OS_Q_DATA:				
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; INT32U OSBlkSize; INT32U OSNBlks; INT32U OSNFree; INT32U OSNUsed;				
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);	BU *err);					

## µC/OS-II The Real-Time Kernel V2.52 Quick Reference Chart

Task Management	INT8U	OSTaskChangePrio(INT8U oldprio, INT8U OSTaskCreate(void (*task)(void *pd), OSTaskCreateExt(void (*task)(void * void *pdata, OS_STK *ptos, INT8U prio, INT16U id, OS_STK *pbos, INT32U stk_size, void *pext, INT16U opt); OSTaskDel(INT8U prio); OSTaskDelReq(INT8U prio); OSTaskSteResume(INT8U prio); OSTaskStkChk(INT8U prio, OS_STK_DATA OSTaskQuery(INT8U prio, OS_TCB *pdata	void *pdata, OS_STK *ppd),  OSTaskO OS_TAS OS_TAS OS_TAS  *pdata);  OS_STK_INTEGRAL	CreateExt() opt: SK_OPT_STK_CHK SK_OPT_STK_CLR SK_OPT_SAVE_FP  DATA: J OSFree;	OS_TCB: OS_STK void OS_STK INT32U INT16U INT16U OS_TCB OS_TCB OS_TCB OS_FLAG_NODE OS_FLAG_NODE INT16U INT18U INT8U	*OSTCBStkPtr; *OSTCBEXtPtr; *OSTCBStkBottom; OSTCBStkSize; OSTCBOpt; OSTCBOpt; OSTCBNext; *OSTCBPrev; *OSTCBPrev; *OSTCBPrev; *OSTCBFlagsRdy; OSTCBFlagsRdy; OSTCBDly; OSTCBStat; OSTCBPrio; OSTCBX; OSTCBY; OSTCBY; OSTCBSitX; OSTCBPity; OSTCBBitX; OSTCBBitX; OSTCBBitY; OSTCBBitY;
Time Management	void INT8U INT8U INT32U void	OSTimeDly(INT16U ticks); OSTimeDlyHMSM(INT8U hr, INT8U min, I OSTimeDlyResume(INT8U prio); OSTimeGet(void); OSTimeSet(INT32U ticks);		NOTE:  ORANGE is for CREATH RED is for DELETE BLUE is for Common GREEN is for Commen	functions nly 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.co	cle 7	