API Name: LCD\_write API Scope: Global Start LCDInitializationState= LCDInitializationState= LCD\_NOT\_NITIALIZED LCD\_INITIALIZED Yes Yes return return LCDWriteState== LCD\_NOT\_INITIALIZED LCD\_INITIALIZING LCD\_FREE Yes LCDWriteState= LCD\_BUSY; LCDData= dataByte; LCDDataOrCMD= Νο DataOrCMD; LCDNibbleNumber= FIRST NIBBLE LCDBitMode= -No-DATA\_PINS\_4 state= LCD\_dataWrite(LCDData, CDNibbleNumber LCDDataOrCMD) SECOND\_NIBBLE Yes state= state= LCD\_dataWrite((LCDData&0xF0)>>4, LCD\_dataWrite((LCDData&0x0F), LCDDataOrCMD) LCDDataOrCMD) state==TRUE Νo state==TRUE -Yes Yes LCDWriteState= LCD FREE; LCDNibbleNumber= LCDNibbleNumber= FIRST\_NIBBLE SECOND\_NIBBLE return return LCD\_W\_FINISHED LCD\_W\_NOT\_FINISHED return LCD\_W\_NOT\_FINISHED

## API Name: LCD\_setCurserPosition API Scope: Global

