**I2C Library**

This is an I2C Library which allows you to read or write either one or two Bytes (i.e. either a BYTE or a WORD) as well as using Data Addresses consisting of one Byte or two Bytes by assigning the appropriate value to the Address\_Len Variable. It also caters for devices like the PCF8574 which do not have a Data Address, in which case you would assign zero to the Address\_Len Variable. The I2C Pin Labels (I2C\_SDA and I2C\_SCL) are hardcoded in the I2C Library, but using variables, it is possible to dynamically change the Pin Numbers which are assigned to the hardcoded Pin Labels.

Note that you ONLY have to define the Control Byte for the I2C WRITE operation - the Library code will do the necessary for I2C READs.