

# **Cflink ColdFire Linker**

rev. 0.98

**PRELIMINARY**



## 2. Error messages

Error messages are meant to be self-explanatory. The general error messages that you may encounter are;

*File not found*

One of the required files could not be found

*File <name> is not an object file*

The file <name> is not a valid GeckoOS object code file. You should check the output options for the assembler or the name of the file you supplied.

*Byte relative out of range for reference <name>*  
*Word relative out of range for reference <name>*

The variable <name> was used in a manner that puts it outside the range for either byte or word addressing modes. You need to change the model size for the source file.

*Reference <name> not found*

A reference was made to the variable <name> but it was not found in any of the object files. You need to check for correct spelling in your files, or that the library contains the reference.

*Merged data >64k*

This results because of an overflow in the small data model. All data combined from the object files must not exceed 65536 bytes in size. (Once the large data model is available, this may fix the problem).

This does not refer to the size of the code, but rather the 'data' contained in each object file, such as tables or text. Code size can theoretically be as large as 2Gigabytes.

## 3. Limitations

- The linker does not currently support real libraries. This will be added in the major update.
- The linker only supports the small data model. Code size has no restrictions, only the merged data size must be less than 64kbytes (i.e. All the data contained in each object file, **not code**, must add up to less than 64kbytes).

You can circumvent this with assembler files by using the 'section code' option rather than 'section data' for large data items.

- The linker does not support S-Record yet.

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