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Application Engineering
TechNote

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GNU Compiler Option File

HAL/GNU H8/300 Compiler has at least 130 command line options to control its output. Some of the options have long names and the DOS command has a limit for maximum characters in one command line. It will be more efficient for us to save these options into a file and call this file whenever we need to. We can use '@' in the command line to pass the file to the compiler.

For example, we have a C program called Hello.c and a compiler command file called Option. The content of the Option file is as follows:

```
-c -fdefer-pop -fkeep-inline-functions -funroll-all-loops -fomit-frame-pointer
```

On the DOS command, we can pass the Option to the compiler as follows:

```
GCC  @Option  Hello.c
```

The above command is equivalent to:

```
GCC -c -fdefer-pop -fkeep-inline-functions -funroll-all-loops -fomit-frame-pointer
Hello.c
```