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Renesas Electronics Corporation

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H8/38347

Renesas Starter Kit Sample Code

Introduction

Renesas Starter Kits (RSK) are supplied as complete development systems for the selected microcontroller. The kit includes an evaluation board, portable On Chip Debugger and a set of peripheral sample code. This peripheral sample code is supplied as a Hi-performance Embedded Workshop (HEW) workspace with this document

Contents

1. Opening the sample code workspace

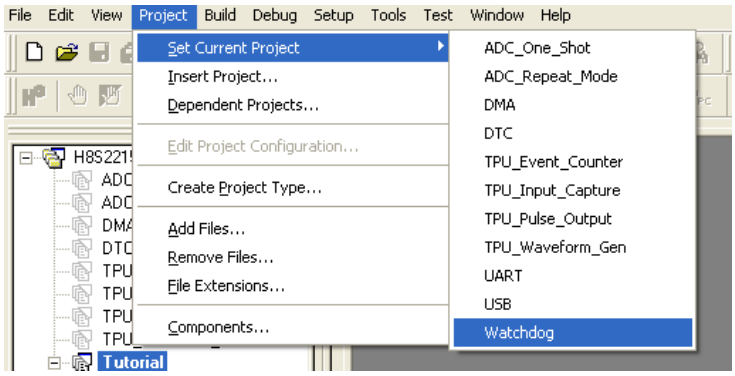
The RSK sample code is supplied as a Hi-performance Embedded Workshop (HEW) workspace.. This workspace should be copied to a suitable folder on your PC. The default location that HEW will look for workspace files is c:\workspace.

Once copied to a suitable location the workspace can be opened by double clicking the file “38347.hws” or within HEW from the File | Open Workspace menu item.

2. Loading the selected sample code project

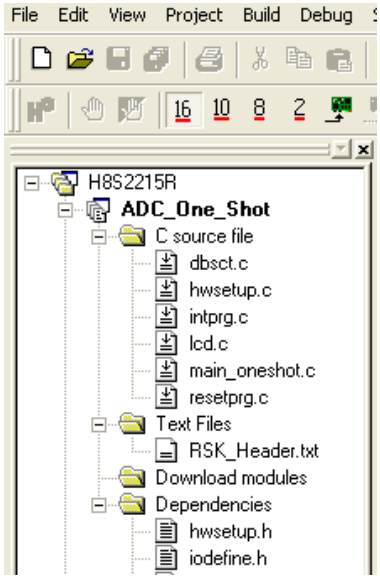
Within the workspace there are a number of separate projects. Each project contains the source files for the specific peripheral sample code.

Once the workspace is loaded into HEW the required sample project must be loaded before you can be open the source files. From the Project | Set current project menu item select the required project name.



3. Opening sample code source files

Once the project is loaded the source code and all dependant files can be opened in the editor by double clicking the file in the workspace window.



4. Source code functionality

Each source code project is specifically written to run on the appropriate RSK. However this source code can be useful as an example of peripheral initialization even without the RSK.

Each sample project will contain a C source file that includes “main” in the name, for example “main_oneshot.c”. This source file will include the C function main() as well as a comment block that describes the function of the sample code.

Appendix

Example of comment block with code functionality

```
/***********************************************************************
FILE NAME       main_oneshot.c
DESCRIPTION     Sets up ADC Channel 0 in single operation mode, software
                triggered. The code performs a single AD conversion.
Operation       1. Build this application and download it to the target. Press 'Reset Go'.
                2. Press stop button (available on 'debug run' toolbar) after 5 seconds.
                3. The result of the conversion can now be checked in global variable
                ‘usADC_Result'. Same result can be examined on the debug LCD.

***********************************************************************/
```

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