Release Notes for EV-COG-AD4050LZ Board Support Package 3.1.0

Contents

1 Introduction

The EV-COG-AD4050LZ Board Support Package 3.1.0 contains various on-chip peripheral examples for the ADuCM4x50 microcontroller and off-chip peripheral drivers specific to the EV-COG-AD4050LZ Evaluation Board. It has been tested with

- CrossCore Embedded Studio® 2.7.0 (CCES) and
- IAR Embedded Workbench for ARM 8.20.1.

2 Required Software

2.1 CrossCore Embedded Studio

To use this EV-COG-AD4050LZ Board Support Package with CrossCore Embedded Studio, we recommend that you first obtain and install:

- CrossCore Embedded Studio 2.7.0 or later
- ADuCM4x50 Device Family Pack 3.1.0

2.2 IAR Embedded Workbench

To use this EV-COG-AD4050LZ Board Support Package with IAR Embedded Workbench, we recommend that you first obtain and install:

- IAR Embedded Workbench for ARM 8.20.1 or later.
- ADuCM4x50 Device Family Pack 3.1.0

3 Release Testing

The BSP has been tested with the following environments, boards and emulators.

Environment	Board	Emulator
CrossCore Embedded Studio	EV-COG-AD4050LZ	CMSIS-DAP
IAR Embedded Workbench	EV-COG-AD4050LZ	CMSIS-DAP

4 License Checking

Use of the EV-COG-AD4050LZ Board Support Package software is subject to the Software License Agreement presented during installation.

The details of this Software License Agreement can be found in the CMSIS pack installation directory, in AnalogDevices\EV-COG-AD4050LZ_BSP\3.1.0\License.

5 Release Content

This release contains the following examples

- On-chip peripheral examples present on the EV-COG-AD4050LZ board.

5.1 Location

The EV-COG-AD4050LZ BSP will be installed into the CMSIS pack directory for the targeted development environment:

CrossCore Embedded Studio	`<cces_pack>\AnalogDevices\EV-COG-AD4050LZ_BSP\3.1.0`
IAR Embedded Workbench	`<iar_packrepo>\EV-COG-AD4050LZ_BSP\3.1.0`

with

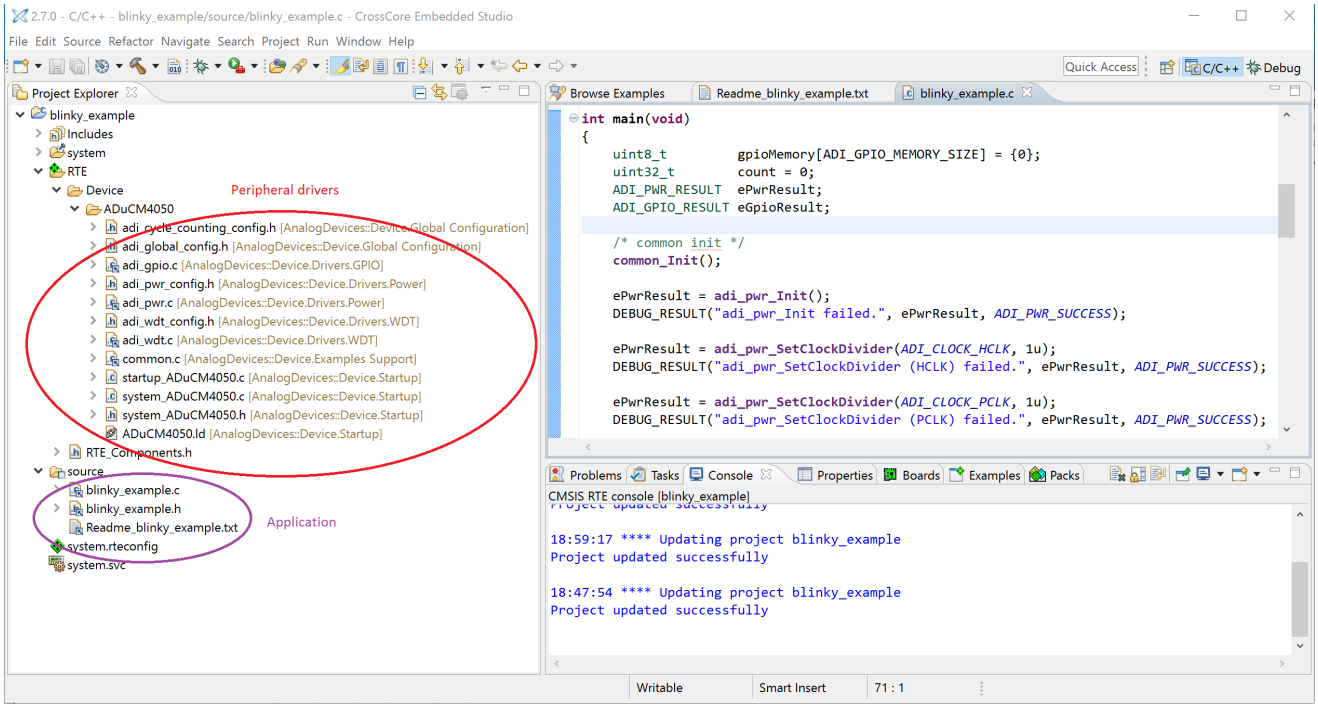
Symbol	Meaning	Example Value
`<user_name>`	User's name	e.g. jdoe
`<user_home>`	User's home directory	`C:\Users\<user_name>`
`<cces_root>`	CCES installation path	`C:\Analog Devices\CrossCore Embedded Studio 2.7.0`
`<cces_pack>`	CCES packs repository	`<cces_root>\ARM\PACK`
`<cces_adi_pack>`	CCES ADI packs repository	`<cces_pack>\AnalogDevices`
`<appdata_root>`	User's AppData path	`<user_home>\AppData\Roaming`

Symbol	Meaning	Example Value
<iar_packrepo>	IAR Embedded Workbench pack directory	<appdata_root>\IAR Embedded Workbench\PackRepo

5.2 Directory Information

Here are the directories that can be found in a EV-COG-AD4050LZ Board Support Package installation, under the CrossCore Embedded Studio packs repository or IAR Embedded Workbench pack directory.

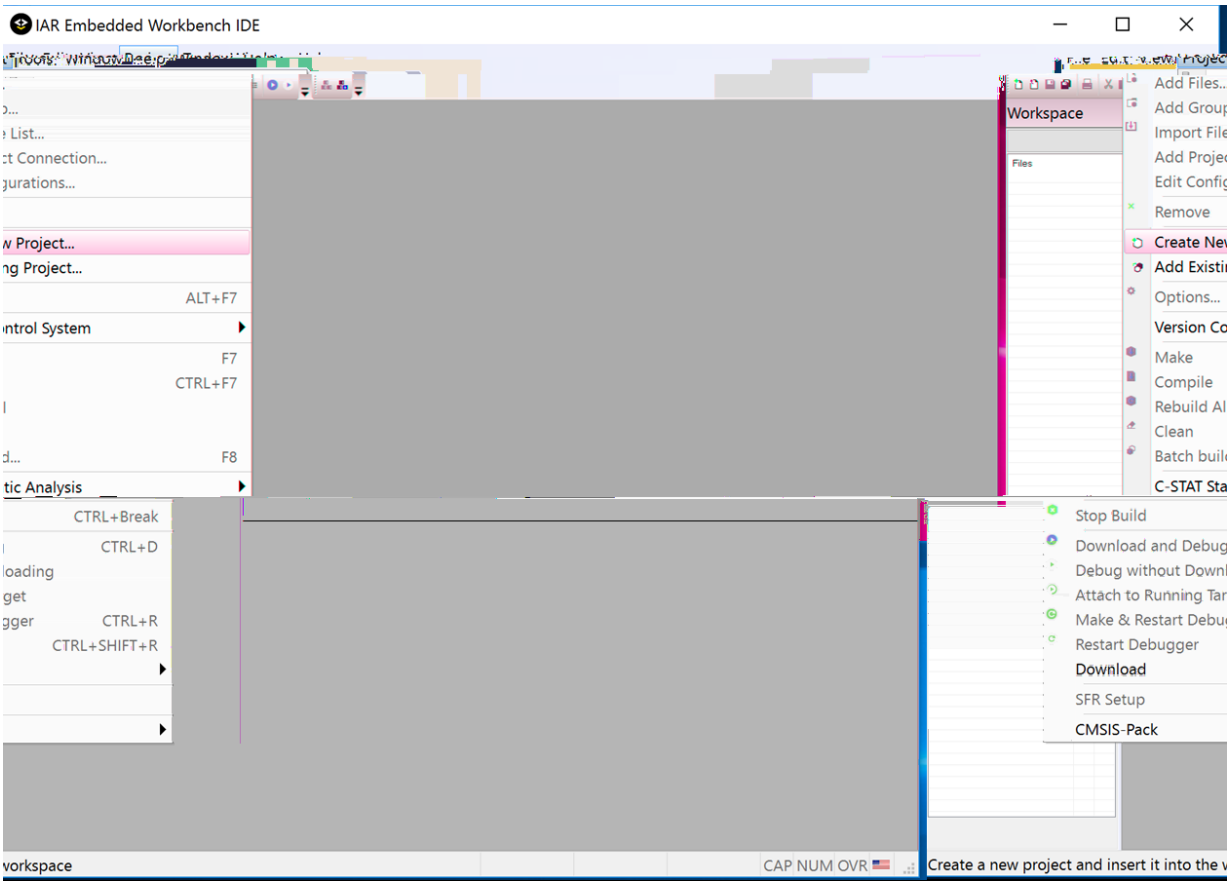
Directory	Description
Boards/EV-COG-AD4050LZ/Examples/drivers	On-chip peripheral Examples
Documents/	Documentation
Source/drivers	Off-chip peripheral driver source files
Include/drivers	Off-chip peripheral driver header files
Documents/	Documentation
License	License agreement



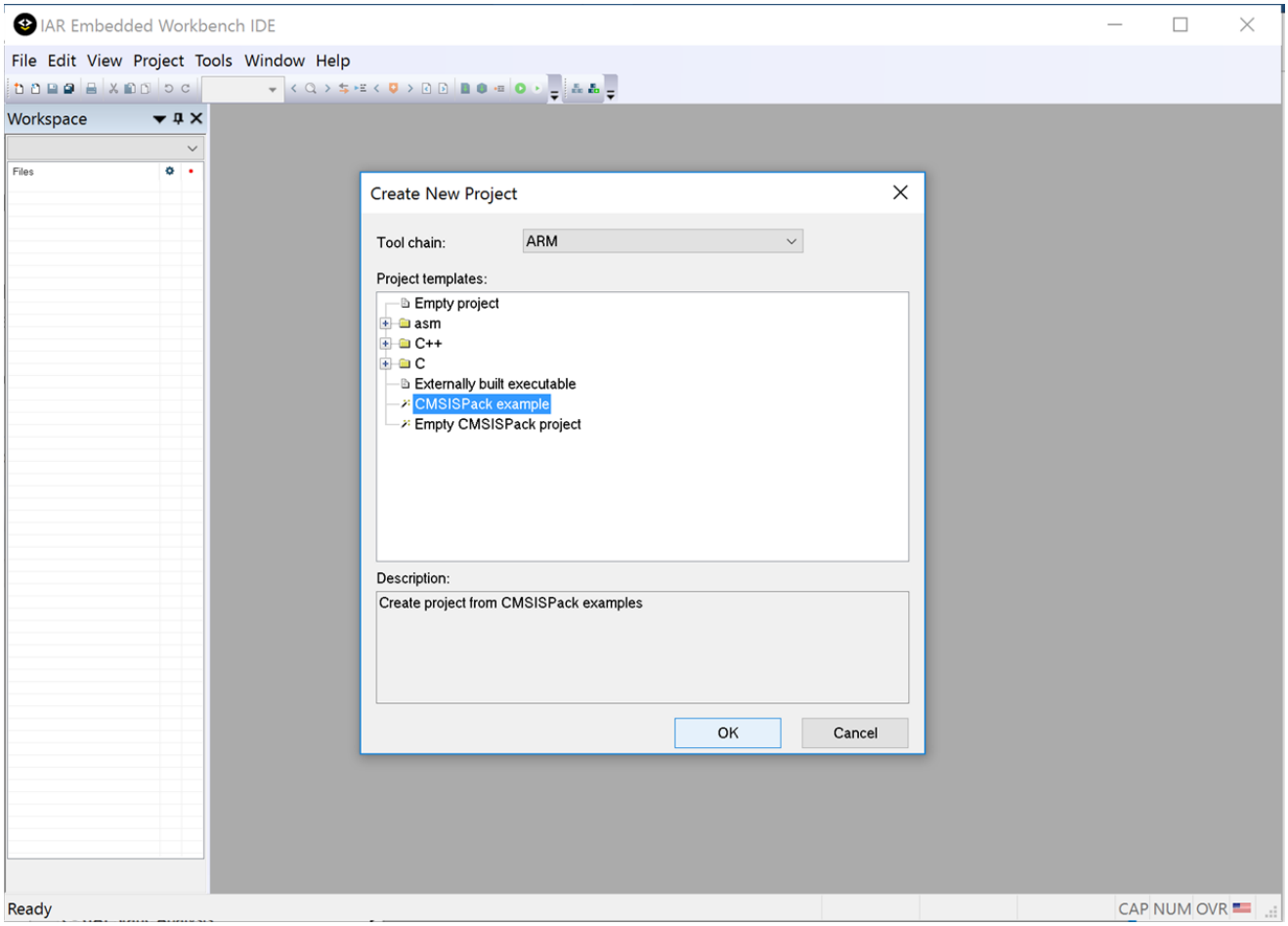
6.2 IAR Embedded Workbench

Examples from the EV-COG-AD4050LZ Board Support Package 3.1.0 can be run by following below steps

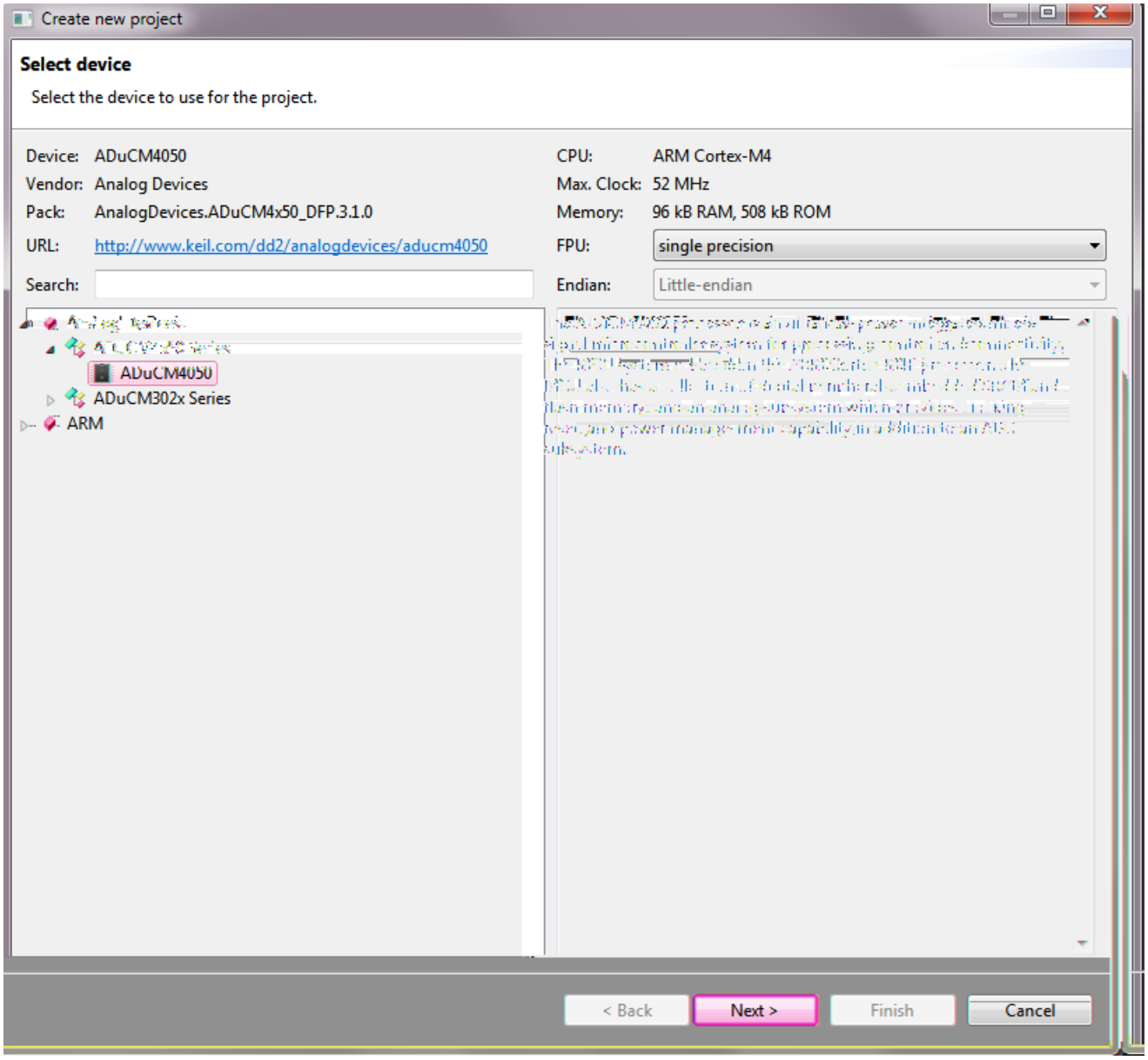
- Click on Project Create New Project



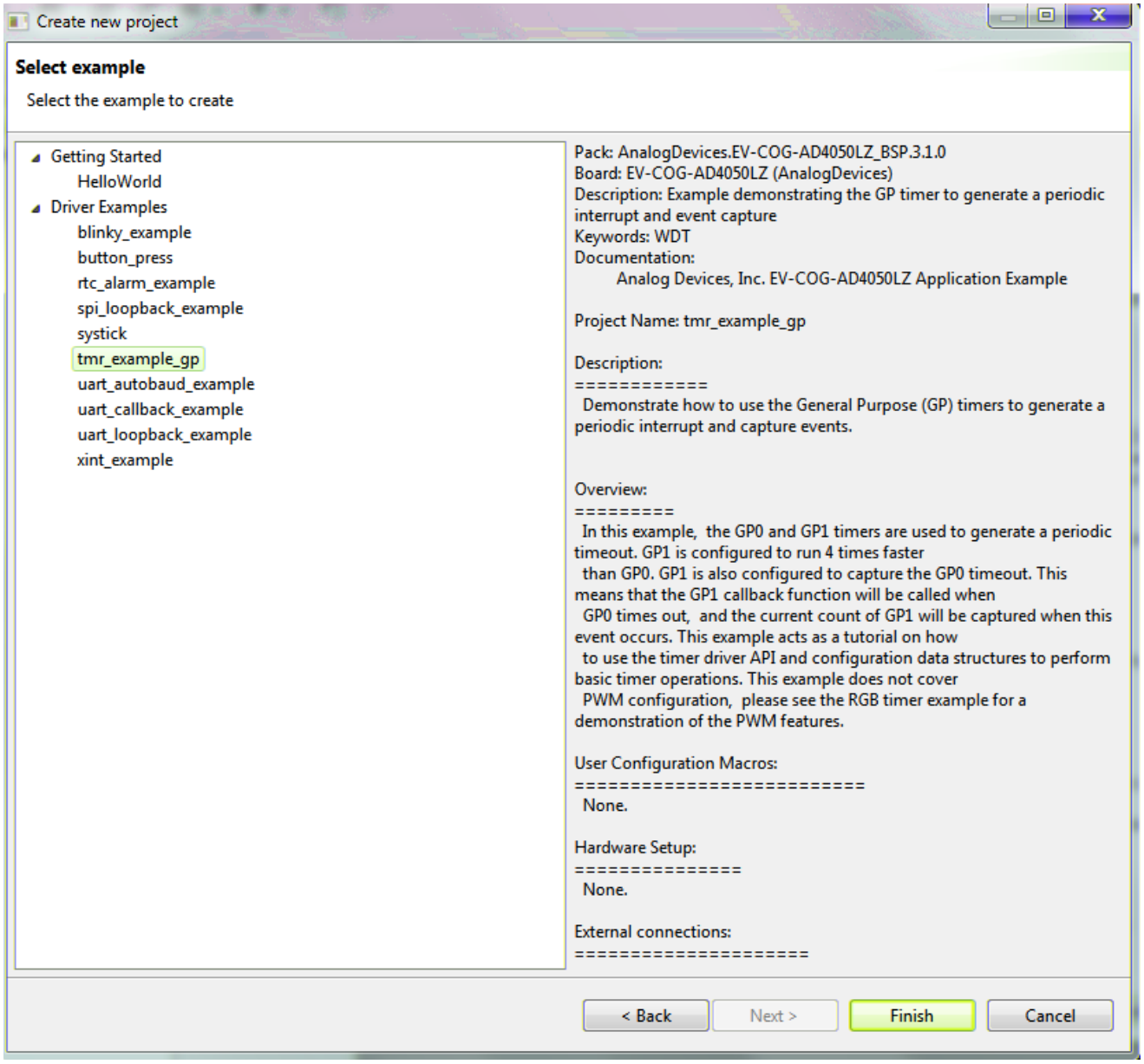
- Select CMSIS Pack Examples and click " OK".



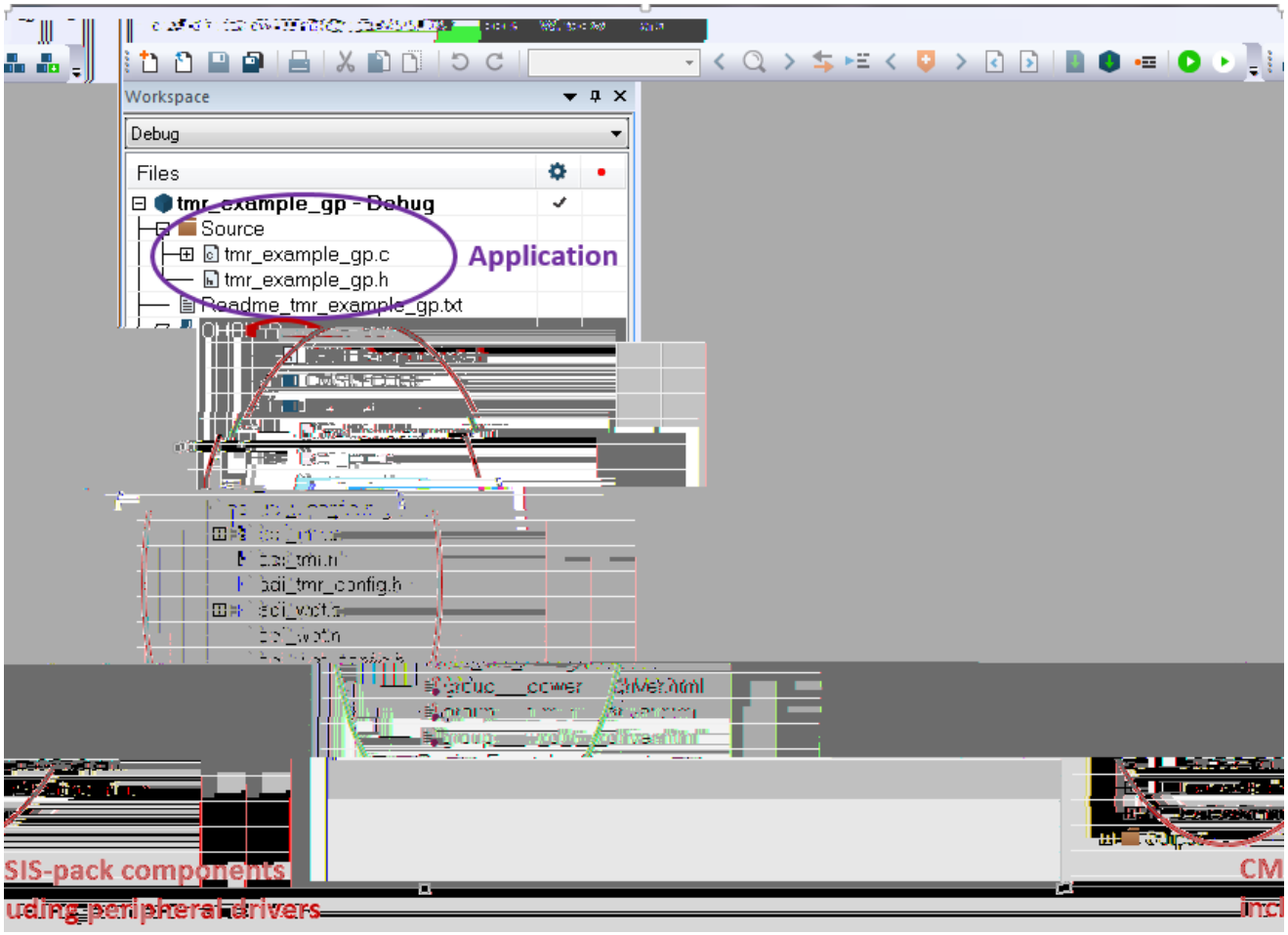
- Select Analog Devices ADuCM4x50 Series ADuCM4050 and click "Next".



- Select the example you want to use, e.g. tmr_example_gp: a description appears, then click "Finish".



- Choose the directory where you want the example to be copied.
- The example is loaded into IAR Embedded Workbench
- Build and run the example


Workspace
Debug
Files
tmr_example_gp - Debug
Source
tmr_example_gp.c
tmr_example_gp.h
Readme_tmr_example_gp.txt
Application
SIS-pack components
uding peripheral drivers
CM
Incl

7 Contacting Technical Support

You can reach Analog Devices software and tools technical support in the following ways:

- Post your questions in the software and development tools support community at EngineerZone®.
- E-mail your questions about processors and processor applications to processor.support@analog.com.
- For Greater China, Processors and DSP applications and processor questions can be sent to: processor.china@analog.com.
- Submit your questions to technical support directly via http://www.analog.com/support.
- Contact your Analog Devices sales office or authorized distributor.

8 Known Issues

For the latest anomalies please consult our Software and Tools Anomalies Search page.

- Examples may not load correctly using CCES File Import... -Workaround: Instead of using import use Help Browse Examples to open an example project.