Release Notes for ADICUP3029 Board Support Package 1.0.0

Contents

1 Introduction

EVAL-ADICUP3029 1.0.0 Board support package contains software modules, components that enable software development using EVAL-ADICUP3029 hardware. It includes Bluetooth system software, examples using on-chip peripherals and Bluetooth. The package also includes IoTNode android application for Bluetooth host connectivity. This BSP is supported in CrossCore Embedded Studio 2.6.0.

2 Required Software

2.1 CrossCore Embedded Studio

To use this BSP with CrossCore Embedded Studio (CCES), you must first obtain and install:

- CrossCore Embedded Studio 2.6.0 or later.
- Install ADuCM302x 2.0.0 Device Family Pack.

3 Release Testing

3.1 CrossCore Embedded Studio

The BSP has been tested with

Board	Emulator
EVAL-ADuCM3029	CMSIS-DAP

4 License Checking

Use of the BSP software is subject to the Software License Agreement presented during installation.

5 Release Content

This release contains the following sets of components:

- Source files for Bluetooth system software, which includes the radio companion module, transport interface layer to communicate with EM9304 Bluetooth Low Energy chip set. These components are authored by Analog Devices, for use on the ADuCM302x processors.
- Bluetooth examples based on Findme Target, Proximity Reporter and Data Exchange profiles. These components are authored by Analog Devices and demonstrate the use of Bluetooth.
- On-chip peripheral examples present on the EVAL-ADICUP3029 board.
- Source files for IoTNode android host application and associated APK (Android application package). This application is used by all Bluetooth examples to demonstrate Bluetooth capability.
- Documentation.

5.1 Location

The EVAL-ADICUP3029 BSP will be installed into the CMSIS pack directory for the targeted development environment:

CCES	`<cces_root>\ARM\PACK\AnalogDevices\EVAL-ADICUP3029_BSP\1.0.0`

5.2 Directory Information under EVAL-ADICUP3029 CMSIS pack directory

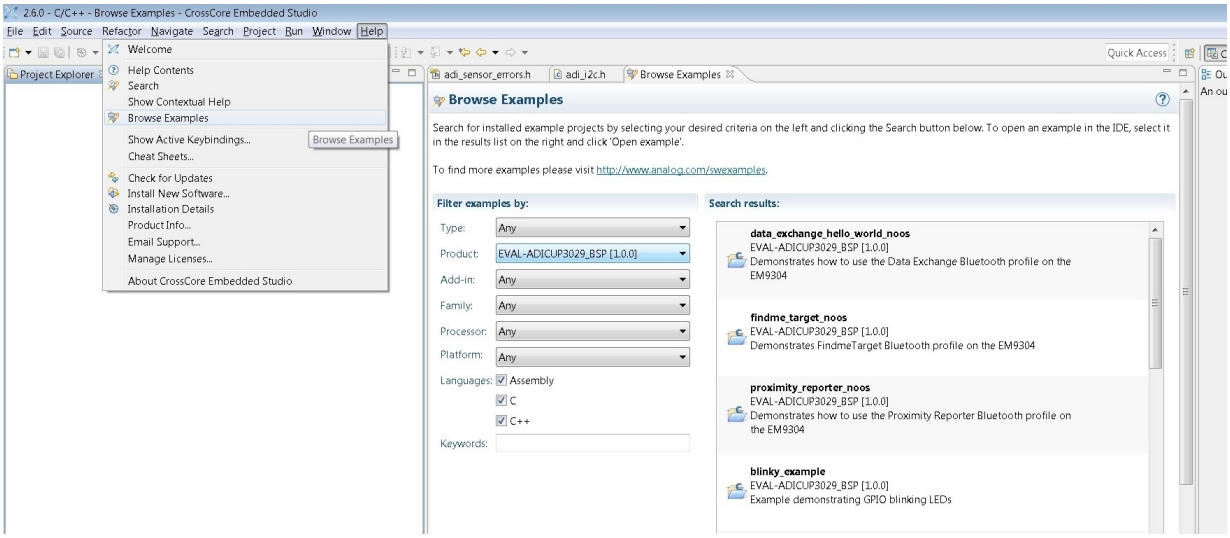
Directory	Description
Source/ble/	Bluetooth subsystem source files
Include/ble	Bluetooth subsystem include files
Host/andriod	Android application
Host/android/documents	Android application documentation

Directory	Description
Documents/html/index.html	Doxygen documentation for EVAL-ADICUP3029 BSP software
Boards/	Bluetooth, On-chip driver examples
Tools/	Software tools to change OTP configuration

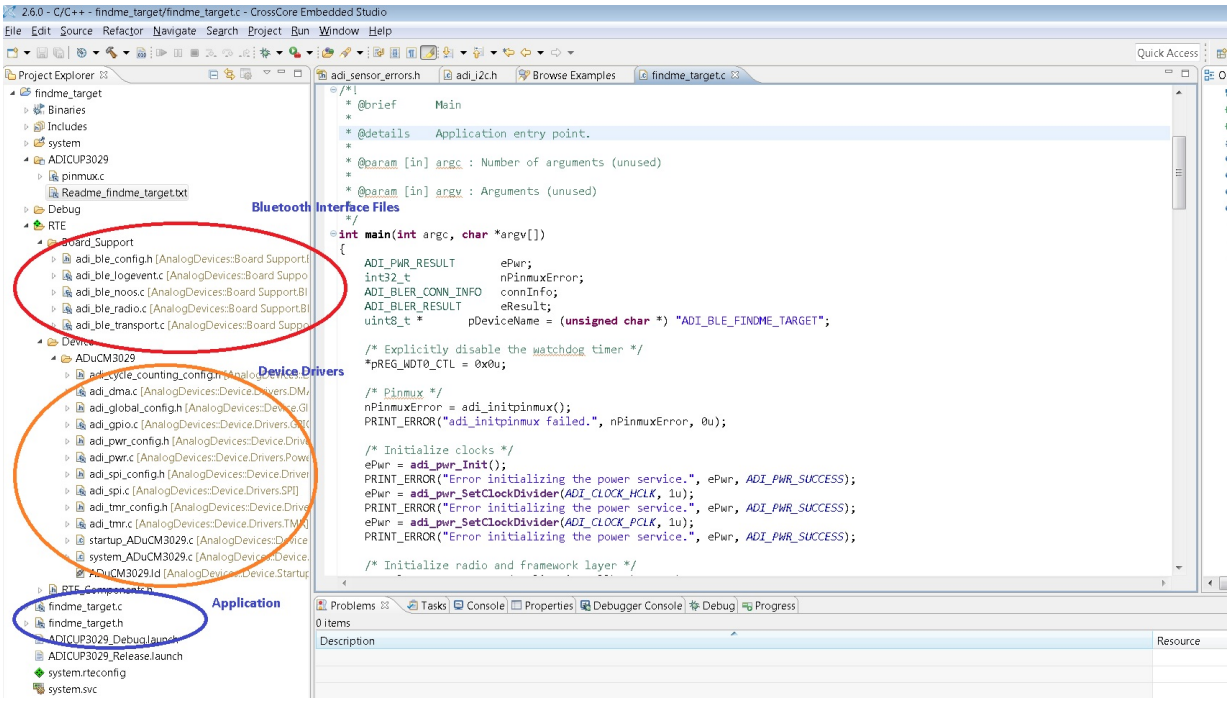
5.3 Running Examples on ADICUP3029 Board

Examples from the ADICUP3029 Board Support Package 1.0.0 can be run by following below steps

- Click on Help Browse Examples
- Select Product EVAL-ADICUP3029_BSP[1.0.0]
- Double click on any example
- Build and run the example



- Findme_target_noos example project loaded into CCES 2.6.0



5.4 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.

6 Known Issues

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

- Examples may not load correctly using CCES File Import (ADIUP3029-74)
  -Workaround: Instead of using import use Help Browse Examples to open an example project.