FEBRUARY 03, 2022

DA14585

Software Release Notes for DSPS application

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1.0 Introduction

1.1 Scope

This document authorizes the official software release of the DA14585 Serial Port Service reference application from Dialog Semiconductor.

1.2 Terms and abbreviations

BTLE   Bluetooth Low Energy
SPS   Serial Port Service

1.3 Release Data

PROJECT   BLE DSPS Reference Design
RELEASE DATE   24 November 2017
VERSION NR.   v6.150.2 (based on common version 6.0.6)
RELEASE TYPE[1]   FULL
RELEASE MASTER   George Charkoftakis

1.4 License

Licenses covering this release are listed in the licensing.txt file in the doc folder.

1.5 History

VERSION	RELEASE MASTER	DATE
6.150.2	George Charkoftakis	24 Nov 2017
(6.150.2)	Rebranded to Renesas	03 Feb 2022

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[1] Releases can be of the following types: FULL, RELEASE CANDIDATE, ENGINEERING, PATCH or BINARY

2.0 Release Description

2.1 Major Changes

#	DESCRIPTION
FEATURES	
1	
BUG FIXES	
1	

2.2 Known Issues or Limitations

#	DESCRIPTION
Software	
1	For the Interrupt driven project S/W flow control method can be used with Extended Sleep mode only if the device connected on UART interface does send Xon/Xoff flow control bytes during sleep period, DA14585 flows off UART data traffic but control bytes can be sent during the flow off period. The flow off signal will be lost in this case.
2	Binary files cannot be transferred with S/W flow control method.
3	DMA driven project does not support S/W flow control method.
4	Device DMA driven project will not work if any UART input happen between BLE connection and CCC enable complete, and it will not recover after BLE reconnection, only reset will recover it.
Documentation	
1	Software documentation for Dialog Serial Port Service application is available on Dialog customer support portal The document reference number is UM-B-088.

2.3 Comments

The Dialog Serial Port Service application software runs on all Dialog's DA14585 Development Kit designs (Basic – Pro). Due to the lack of any flow control method on the current Segger J-Link driver, on the DK-Basic an external Serial to USB converter must be used. If the user wants to boot DA14585 from SPI flash then the UART signal pin assignment must be modified because there is a conflict with the SPI flash signals. The release file contains only the Dialog Serial Port Service software. The customer must refer to SDK 6.0.6 release or later for further documentation and the supplementary applications.

2.4 MAJOR Release Files

File Name	Description
DA14585_DSPS_v_6.150.2.zip	RELEASE FILE
DA14585_Software_Release_Notes_DSPS_v_6.150.2.doc	RELEASE NOTES

Appendix I: Versioning Rules

Each software version number string consists of 4 numbers. MAJOR.BRANCH.MINOR. BUILD

Versioning rules:

#MAJOR: It is increased by 1 only if the project undergoes a major modification, e.g. ROM changes. It practically changes only when the project sources undergo major restructuring affecting most of the repository. It is initialized at 1.

#BRANCH: Should be used in the case of concurrent projects that for special reasons need to be spun off the major repository. It corresponds to different versions of the repository code that have to be supported concurrently. In this case each branch number corresponds to a different GIT branch. The basic project has BRANCH id 0. The branch number for Smart tag reference design is 20.

#MINOR: Odd numbers indicate Engineering (or Patch) versions, even numbers indicate Full release versions. Each release increases this number by one. After the release, the number is increased by 1 again. Therefore, Project releases correspond to release numbers like 2.0.1.xxx, 2.0.2.xxx. etc. The #MINOR number is initialized at 1.

#BUILD: The # BUILD number increases by 1 at every repository update and thus indicates the total number of changes since repository initialization. The BUILD number is initialized at 1.