



Software Release Notes

USB Power Delivery Software Framework (PSF)

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REV	DATE	DESCRIPTION OF CHANGE
0.90	Oct 24, 2019	First Web release
0.91	Nov 11,2019	Bug fix release
0.92	Dec 12,2019	Documentation release

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1 Introduction

USB Power Delivery Software Framework (PSF) – a software-based Power Delivery stack along with UPD350 Type-C Port Controller (Maverick) is a USB-PD solution. It is a generic user-friendly that can be ported across various hardware platform.

Component Type	USB Power Delivery Software Framework (PSF)
Target Silicon	SAMD20 + UPD350
Where can an end user see the version number	Version number appended with filename ../PSF/Source/include/ProjectVersion.h

2 Release notes

2.1 Version 0.92

Release date	12-Dec-2019
Release Type	Documentation Release
Pre-requisites (if any)	PSF EVB Rev A
Source Tag	Tag: PSF_STACK_V0.92

2.1.1 Not implemented / Limited functionality requirements

Firmware Bug fixes are not made for this release. All the bugs observed with V0.91 release is applicable for V0.92 release too.

2.1.2 Bug Fixes

No Bug fixes made

2.1.3 Features added

This release is made to mark the release of following documents

- PSF User Guide
- Getting Started with PSF
- Demo Read me

2.1.4 Notes

None.

2.2 Version 0.91

Release date	11-Nov-19
Release Type	Bug fix release
Pre-requisites (if any)	PSF EVB Rev A
Source Tag	Tag: PSF_STACK_V0.91

2.2.1 Not implemented / Limited functionality requirements

1. PSF-7 - HiByte has potential error

2.2.2 Bug Fixes

1. PSF-19 -FW has build issue when CONFIG_PD_PORT_COUNT set to 1
2. PSF-21 - VBUS OCS Power fault handling not working
3. PSF-26 - Build Fails When INCLUDE_POWER_FAULT_HANDLING Macro is set to 0
4. PSF-31 - Build Fails When INCLUDE_PDFU Macro is set to 1
5. PSF-32 - Configuring CONFIG_PORT_n_SINK_USB_COM macro Field is not Effective
6. PSF-33 - Configuring CONFIG_PORT_n_SINK_UNCONSTRAINED_PWR macro Field is not Effective
7. PSF-34 - Build Fails When INCLUDE_PD_3_0 Macro is set to 0

2.2.3 Features added

NA

2.2.4 Notes

Following JIRA reported marked invalid after developing from developer's side:

1. PSF-22 -VCONN OCS handling not working
2. PSF 23 - PD Negotiation Fails when PDOs are Configured more than 5 with certain values
3. PSF-25 - The PUT is not Disabled Even After the Under Voltage Count Exceeds the Maximum Fault Count

2.3 Version 0.90

Release date	24-Oct-2019
Release Type	Initial Web release
Pre-requisites (if any)	PSF EVB Rev A
Source Tag	Tag: PSF_STACK_V0.91

2.3.1 Not implemented / Limited functionality requirements

1. PSF-7 - HiByte has potential error
2. PSF-21 - VBUS Power fault handling not working
3. PSF-22 - VCONN OCS handling not working
4. PSF-23 - PD Negotiation Fails when PDOs are Configured more than 5 with certain values
5. PSF-25 - The PUT is not Disabled Even After the Under Voltage Count Exceeds the Maximum Fault Count

2.3.2 Bug Fixes

Not Applicable

2.3.3 Features added

Initial revision of PSF for Source only operation.

2.3.4 Notes

Not Applicable