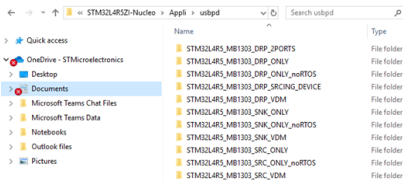


## The STUSB1602 software library for the STM32L4R5



### Features

- Application examples including full software frameworks and associated vendor info file (.VIF):
  - Source, sink and dual role port
  - Source, sink and dual role port with support of vendor define message and other PD3.0 optional messages
  - 2 x dual role ports

### Description

The **STSW-STUSB015** is the **STUSB1602** software library to be used in association with MB1303 nucleo shield (available from **P-NUCLEO-USB002** evaluation board) and **NUCLEO-L4R5ZI** boards.

The library includes ready-to-use software frameworks for fast prototyping of most common applications scenario such as: single port basic source, sink or DRP but also more complex use cases with 2 dual role ports or including optional features of PD3.0 like status, alert or extended messages, cable messages, billboard classes etc.

Projects are available with or without RTOS.

#### Product status link

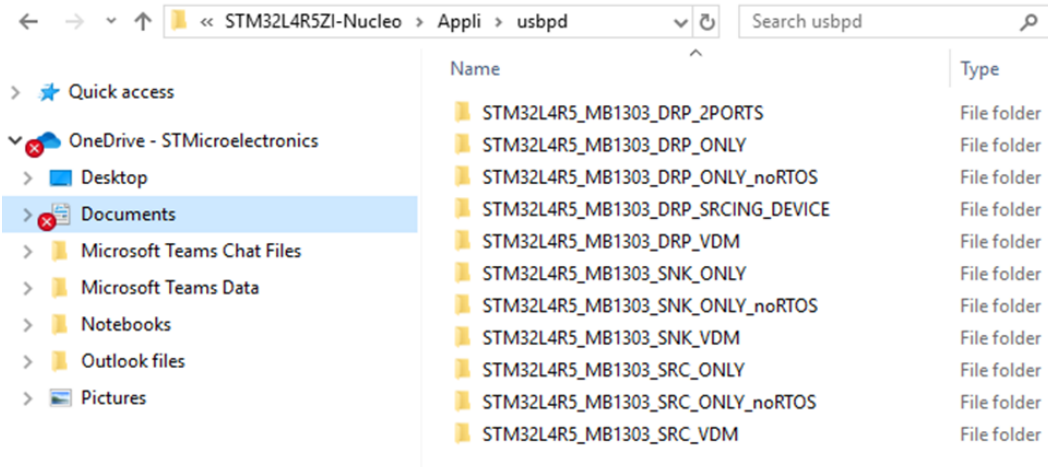
[STSW-STUSB015](#)

#### Related products

[STUSB1602](#)  
[STM32L4R5ZI](#)  
[NUCLEO-L4R5ZI](#)  
[P-NUCLEO-USB002](#)

# 1 Project frameworks

Figure 1. Project frameworks



## Revision history

**Table 1. Document revision history**

Date	Version	Changes
29-Mar-2021	1	Initial release.

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