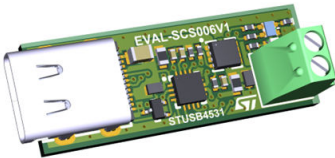


Fast and easy migration from DC barrel to USB-C / PD



Features

- USB Power Delivery SINK port (up to 100 W)
- Dead battery support
- Short-to-VBUS protection up to 28 V
- Low BOM cost, small footprint
- Status LED
- Certified reference design (board TID: # 13957)

Maturity status link

STUSB4531QTR	Standalone USB PD SINK controller
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Description

This board illustrates a minimal USB PD SINK implementation. It can be used as a small footprint reference design for fast migration from a custom power plug or DC barrel to a USB Type-C® connector.

It is based on the STUSB4531 USB PD controller IC (USB Type-C® rev 2.4, USB PD rev 3.2) and is certified as a “Power Sinking Device” (TID #13956).

Revision history

Table 1. Document revision history

Date	Revision	Changes
28-Oct-2024	1	Initial release.
25-Sep-2025	2	Updated feature, description on the cover page, and Figure 1 .

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