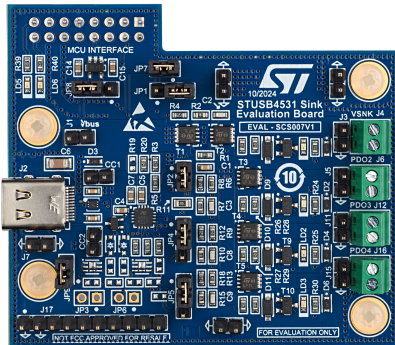


STUSB4531 evaluation board



Features

- USB Power Delivery SINK port (up to 100 W)
- STUSB4531 USB PD controller, certified for:
 - USB Type-C® (rev 2.4)
 - USB PD (rev 3.2)
 - TID: 13956
- Dead battery support
- Customizable startup profiles
- Multiple output paths
- Compliant with USB2.0
- Low BOM cost, small footprint
- Status LED

Description

The **EVAL-SCS007V1** evaluation board is a ready-to-use USB PD sink based on the STUSB4531. It handles the USB PD negotiation with a source to enable one or more charging paths. Several LEDs report power availability on each of the 4 available outputs.

The USB PD sink port is preconfigured with three FIXED PDOs (5 V, 9 V, 15 V) and one VARIABLE PDO (9 V to 20 V) to address a broad range of applications (PDP = 30 W). PDOs can be easily customized with the associated graphical user interface (GUI).

Maturity status link

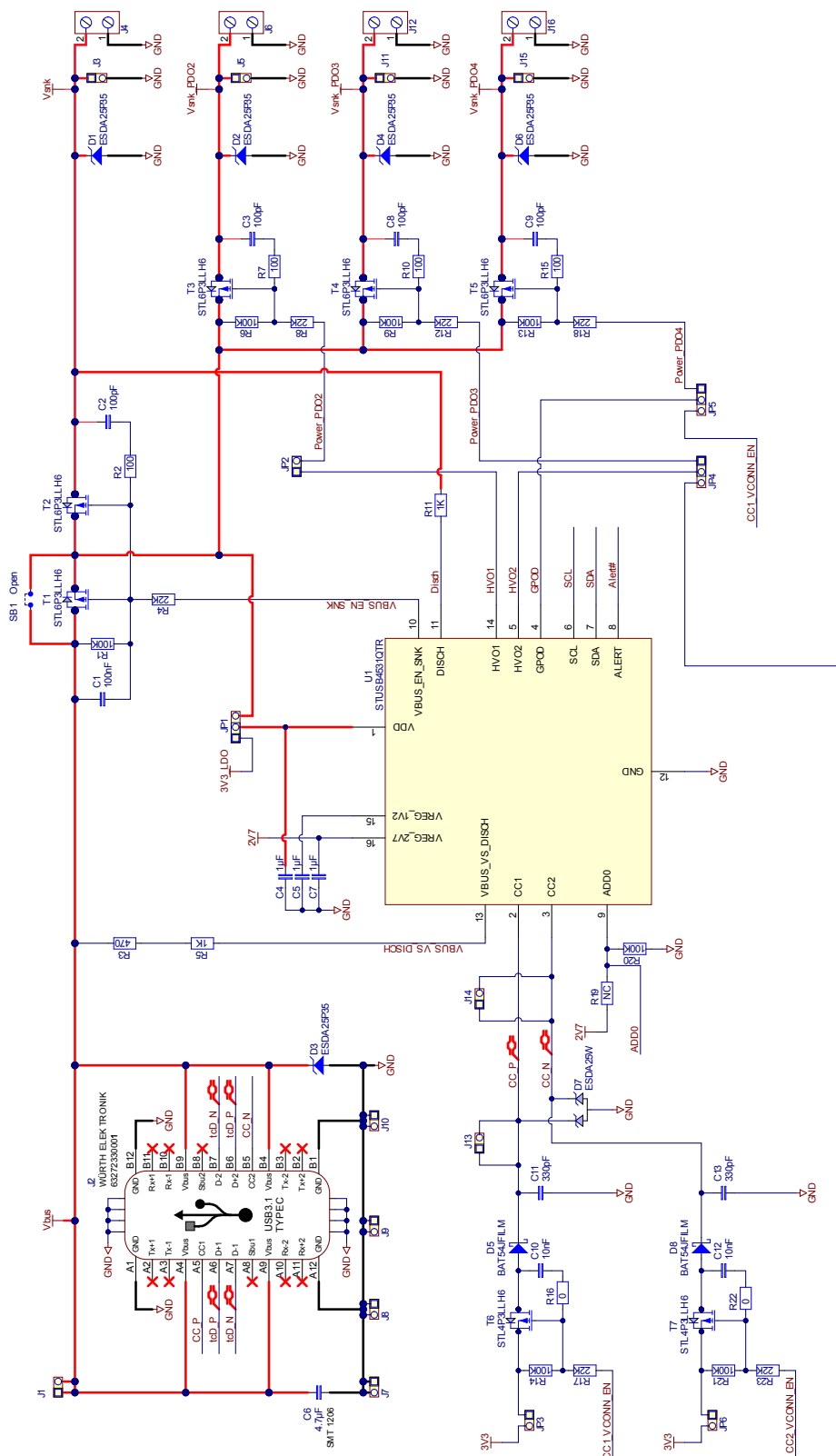
[EVAL-SCS007V1](#)

Related products

STUSB4531QTR	Standalone USB-PD SINK controller
EVAL-SCS006V1	Mini dongle
EVAL-SCS007V1	Evaluation board

1

Figure 1. Schematic circuit



Revision history

Table 1. Document revision history

Date	Revision	Changes
14-Nov-2024	1	Initial release.
24-Sep-2025	2	Updated features on the cover page.
17-Nov-2025	3	Updated figure on the cover page.

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