

Data brief

Fast and easy migration from DC barrel to Type-C



Features

- USB Power Delivery SINK port
- Short-to VBUS protection up to 28 V
- Low BOM cost, small footprint
- · Status LED

Description

The EVAL-SCS001V1 reference design allows user to create a USB Type-C connector quickly and easily in order to power any application up to 100 W (20 V, 5 A).





1 Schematic diagram

A1 GND XA2 Tx+1 XA3 Tx-1 GND B12 J Rx+1 B11 Rx-1 B10 1µF CC2 B3
3.1
Vbus B4
Tx-2 B3
Tx+2 B2
GND B1 A9 Vbus Rx-2 A11 Rx+2 O VBus_EN_SNK LD20 C50 4.7µF Disch Disch GPIO VBUS_VS_Disch Power_PDO2 Power_OK2 Power_OK3 14 Power_PDO3 -d cc1db -d cc1 Standalone USB PD controller A_B_Side with SINK auto-run mode A B Side Attach -d CC2 Attach -EC2DB SCL SCL SDA D1 ESDA25W SDA ALERT# 19 Alert#

Figure 1. EVAL-SCS001V1 schematic diagram

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Revision history

Table 1. Document revision history

Date	Version	Changes
15-Jan-2019	1	Initial release.
29-Apr-2019	2	Updated cover image.

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