

Evaluation board for STCC5021 USB charging controller with attach detection

Data brief



Description

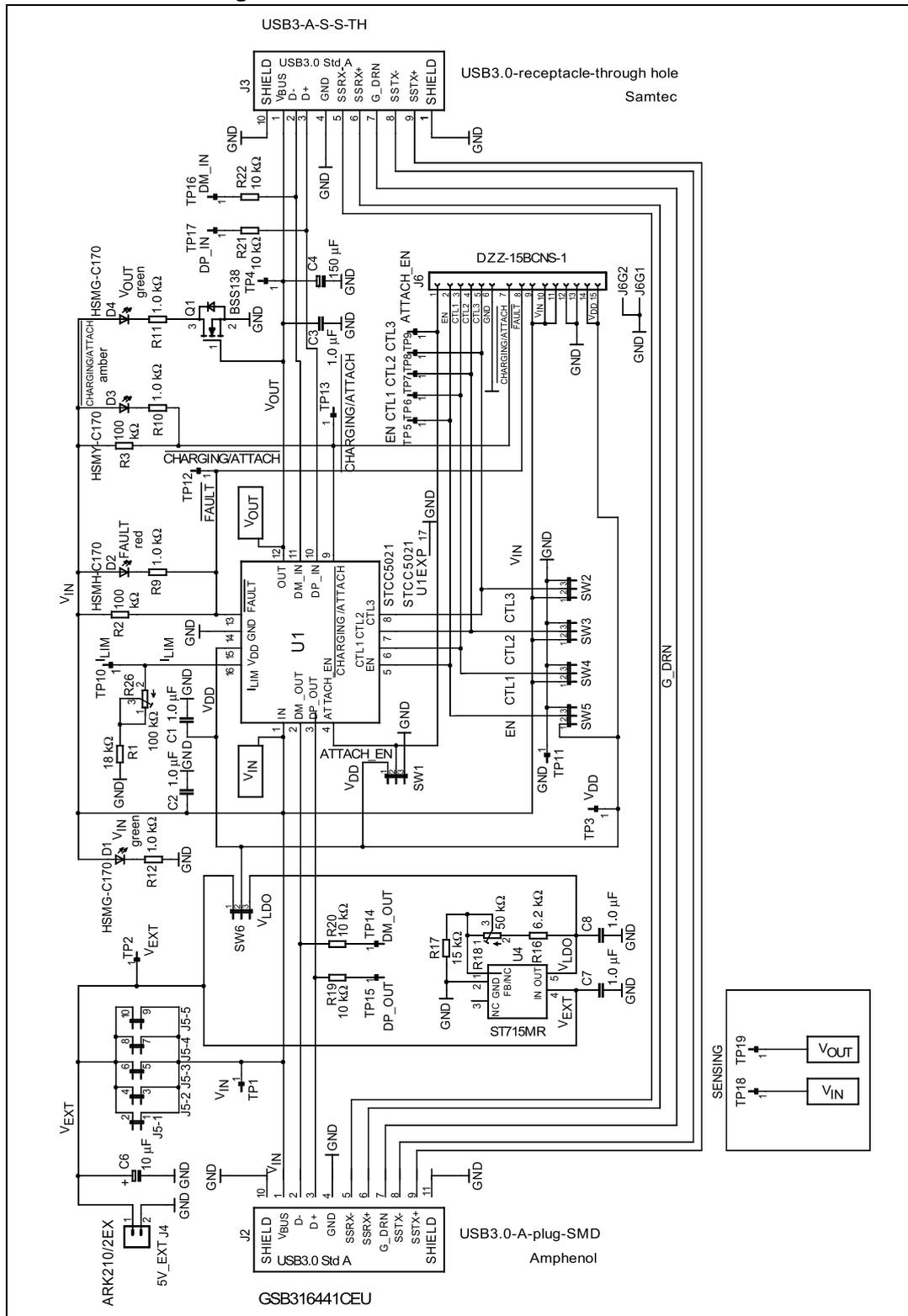
This STEVAL-ISB018V1 system evaluation board allows the easy measurement of STCC5021 parameters and the evaluation of all its functions and operating modes.

Features

- USB 2.0 SDP or CDP data pass-through with S3 remote wakeup support or automatic charging
- Permanent USB 3.0 SuperSpeed data pass-through between input and output USB connector
- CDP mode with charging indication after CDP negotiation
- DCP modes with charging indication (BC1.2 mode, divider mode, auto-detect mode)
- Attach and charging/end-of-charging detection and indication
- Resistor-programmable precise current limiter and short-circuit protection
- RoHS compliant

1 Schematic diagram

Figure 1. STEVAL- ISB018V1 circuit schematic



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
09-Dec-2013	1	Initial release.
04-Mar-2014	2	Short description has been updated.

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