

LDD-1303 Hardware Release Notes

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Document 5304C

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1 General Information

This document summarizes all LDD-1303 hardware changes. For additional information, please contact Meerstetter Engineering GmbH.

2 Hardware Changes Overview

Change	LDD-1303 HW version Release date Corresponding datasheet	Detail
Power converter inductors modified.	HW v1.40 October 2025 5246L	This reverts the change made in the previous hardware version. No observable difference in behaviour is expected. Reason for change: better mechanical reliability.
Power converter inductors changed. Modified PCB to provide reinforced insulation for USB interface and basic insulation for mounting	HW v1.30 May 2023 5246G	
Replace components to support a higher input voltage	HW v1.20 June 2022 5246F	
Light measurement hardware is now included only with LPC option	HW v1.10 June 2022 5246D	
Modified Analog input and output circuitry, old version did not function properly		
Added fast overcurrent turnoff capability	HW v1.10 December 2021 5246D	
Changed Boost Converter Gate Driver, old driver not available	HW v1.10 December 2021 5246D	

A Change History

Date of change	Doc/Version	Changed/ Approved	Change / Reason
2023-12-15	A	RS / HS	<ul style="list-style-type: none">• First edition (replaces document 5264D)
2023-02-02	B	RS / HS	<ul style="list-style-type: none">• Incorrect references to different device fixed
2025-10-07	C	RS / SC	<ul style="list-style-type: none">• Replace inductor