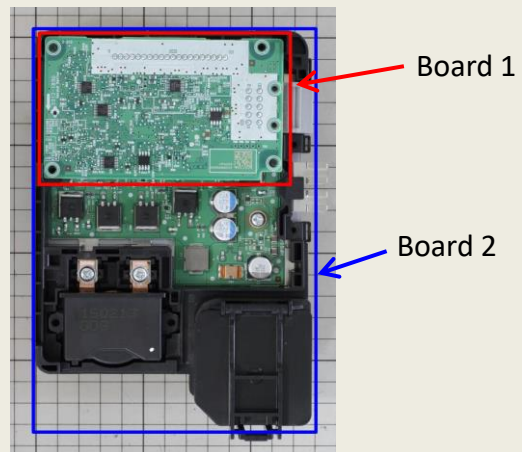


HONDA SHUTTLE HYBRID VEHICLE BI-DIRECTIONAL DC-DC CONVERTER CIRCUIT ANALYSIS REPORT

June 2017. This is a detailed circuits analysis report of the HV bidirectional 12V DC-DC converter produced by Sumitomo Wiring Systems, Ltd. PCB structural details with various dimensions, component list, block diagram, detailed circuit schematic diagram and transformer inductance measurement results are included in the report.



Control board



Transformer board

The system consists of three blocks: control board, power stage board, and the inductor.

The system has the following main elements:

1. Module: two control boards and one external inductor
2. Bi-directional buck-boost converter
3. Four current sense amplifiers in the bidirectional DC-DC converter.
4. General purpose MCU (Fujitsu) for control.

Note:

The listed report price may not be accurate as it decreases over time.

Please contact us for current report pricing info@ltecusa.com

17G-0005-1

Table of Contents

	Page
Analysis summary	3
Components	6
Teardown	7
Component details	22
Function block identification	27
Schematic	29
Component list	31
Connector	45
Sensor	46

17G-0005-1



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