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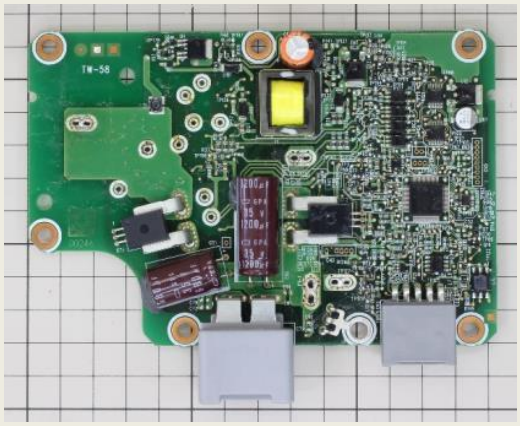
HONDA FIT DC-DC CONVERTER CIRCUIT ANALYSIS REPORT FOR HYBRID VEHICLE

June 2017. This thirty-two page report is focused on the PCB and offers a detailed circuit analysis of the DC-DC converter in the Honda Fit model. PCB structural details with various dimensions, component list, block diagram, detailed circuit schematic diagram, and transformer inductance measurement results are included in the report.

DC-DC converter



Control board

This DC-DC converter is produced by Shindengen Electric Manufacturing Co., Ltd., and it consists of two boards, the control board and the power module.

The system has the following main features:

- The control board having the following function blocks: Internal power supply, current monitor 1 and 2, voltage monitor, gate driver, and the CAN communication system.
- Pre-driver circuit designed to prevent simultaneous turn-on of the high-side and low-side switches.
- Current control, performed by general purpose MCU, manufactured by Texas Instruments.

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-0004-1

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