New Release

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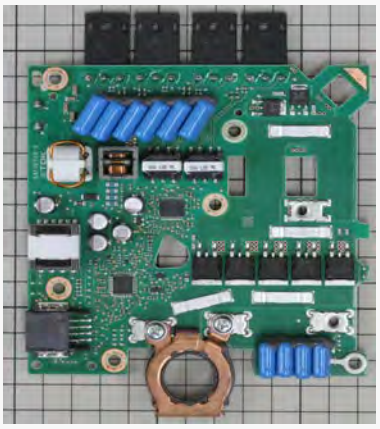
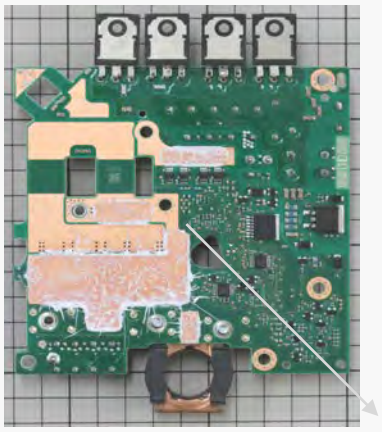
HONDA FIT DC-DC CONVERTER SYSTEM BOARD DETAILED CIRCUIT ANALYSIS REPORT

July 2017. LTEC Corporation released a circuit analysis report of the DC-DC converter PCB produced by TDK Corporation for the HONDA FIT model. The system converts the high voltage of the battery pack to a lower voltage for the power train, and charges the auxiliary battery and other auxiliary equipment. The target applications are in hybrid electric vehicles, plug-in hybrid electric vehicles, electric vehicles, and fuel cell vehicles.



Top View



Bottom View

Key attributes:

1. Soft switching resonant converter circuit implemented by a full-bridge circuit architecture implemented on the primary side.
2. Custom ASIC drives for the four Power MOS FETs.
3. Multiple parallel-connected Schottky diodes are used at the secondary side instead of synchronous rectifiers.

The report provides details of the PCB layout, BOM, and circuit schematic diagram.

Priced to sell at $7,500

17G-0006-1

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Table of Contents

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