Non-isolated medium voltage Point-of-Load with XDPP1100-Q040 digital controller

Ruslan Kotvytskyi

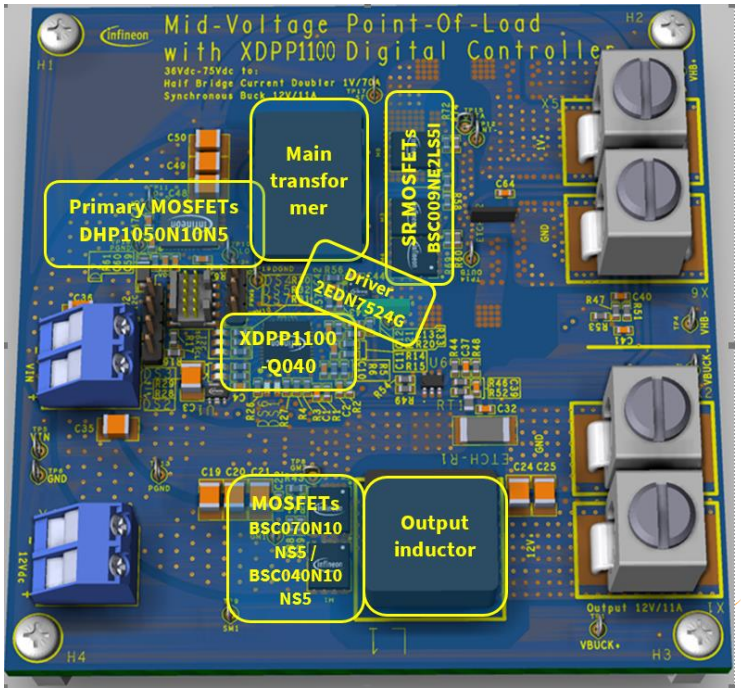
200W OptiMOS-based DC/DC Buck & Half-Bridge Current Doubler with XDPP1100 Digital Controller

Features

- Dual topologies power board: DC/DC Buck and Half-Bridge Current Doubler at 12Vdc(11A) / 1Vdc(70A) regulated output respectively
- Input Voltage range 36Vdc – 75Vdc
- Efficiency ≥ 96.5% and ≥ 92.5% of Buck and Half-Bridge respectively
- Soft start and cycle-by-cycle current limiting
- Extensive protection features: Programmable OVP, UVP, OCP, OTP
- PMBus communication for control loop configuration, live telemetry update and status reporting

Benefits

- High efficiency
- Pre-programmed advanced digital control for Telecom and Server Power applications
- Firmware based system configuration with GUI support



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