Highly Integrated Reference Design for Automotive
Bidirectional 48V-12V Converter

2 Phase Evaluation Board

F28069 ControlSTICK
Outer loop charging control
Average Current mode inner loop

2x SM72295
16x FETs ≈27.1 Watts Board Dissipation
150kHz ≈ 2.06W max per FET
28A inductor current
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