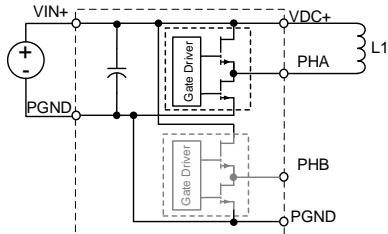
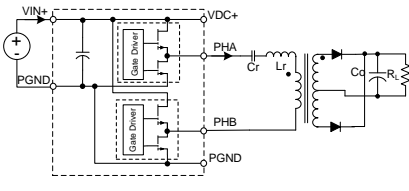
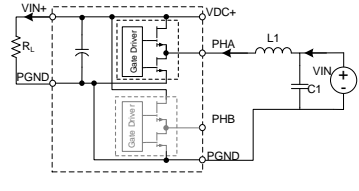
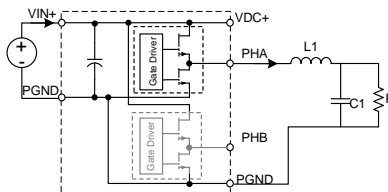
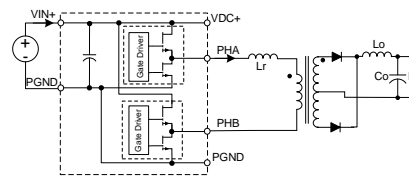
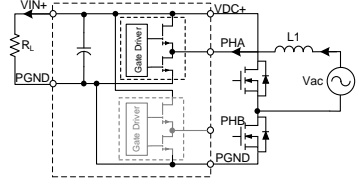
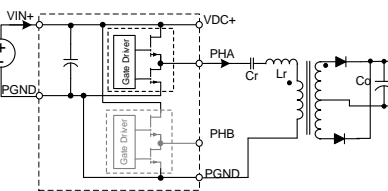
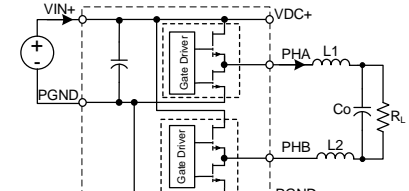
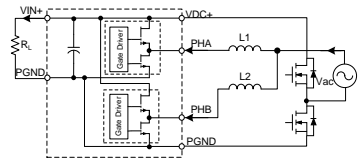


The GaN Systems high power Integrated Metal Substrate (IMS) evaluation platform (GSP65xxHB-EVB) offers power engineers a flexible design platform for high power applications. Up to 12 different topologies, architectures and operating modes are possible, as listed in this document

For a detailed overview of the IMS evaluation platform, please refer to the High Power IMS Evaluation Platform User Guide located at www.gansystems.com.

Configuration Options

HALF BRIDGE	FULL BRIDGE	BOOST MODE
Double pulse test	Full bridge LLC	Synchronous Boost DC/DC
		
Synchronous Buck DC/DC	Phase Shift Full Bridge	Totem pole PFC
		
Half bridge LLC	Full bridge inverter	Interleaved totem pole PFC
		

Configuration Options

HALF BRIDGE	DUAL ACTIVE BRIDGE
Single phase Half Bridge Inverter	Dual Active Bridge (with 2 sets of mother board)
3 PHASE MOTOR DRIVE	
3-phase Motor drive (with 2 sets of mother board)	

NOTE:

In operating modes where the DC bus is on the output side (Boost, PFC etc.), it is recommended to bypass fuse F1 and OCP circuit on the mother board. Additional circuit protection can be installed on the input side if needed.

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