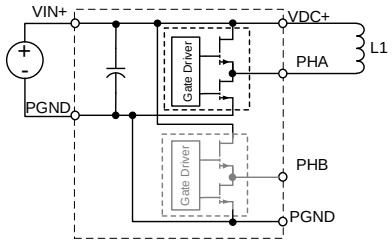
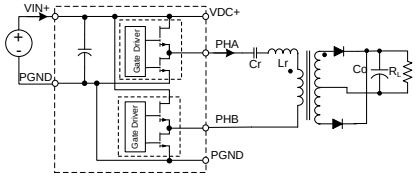
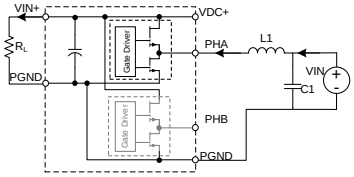
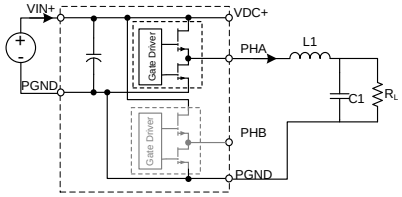
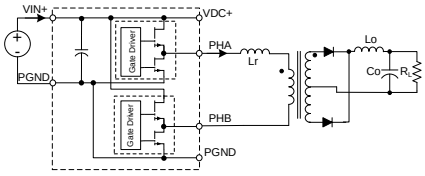
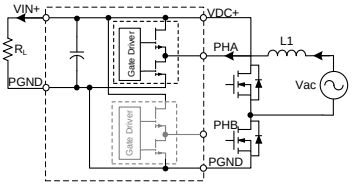
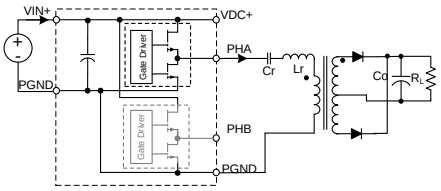
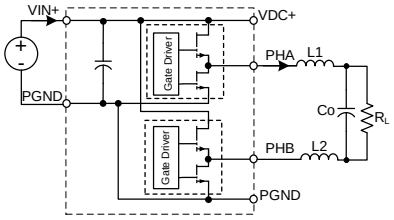
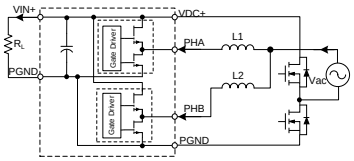
GSP65RxxHB-EVB
High Power IMS Evaluation Platform
Configuration Options

The GaN Systems high power Integrated Metal Subrate (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.

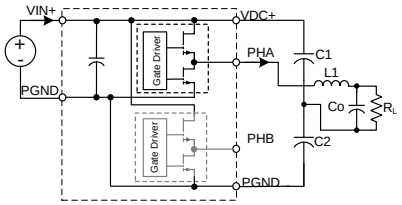
Configuration Options

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

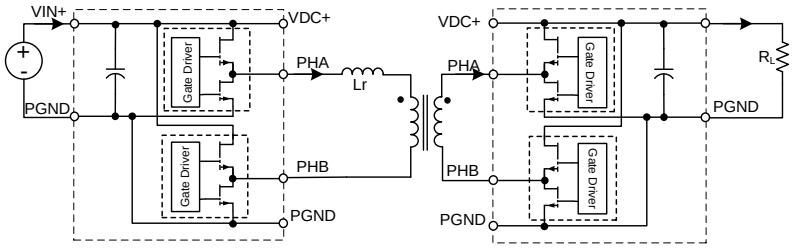
HALF BRIDGE

Single phase Half Bridge Inverter



DUAL ACTIVE BRIDGE

Dual Active Bridge (with 2 sets of mother board)

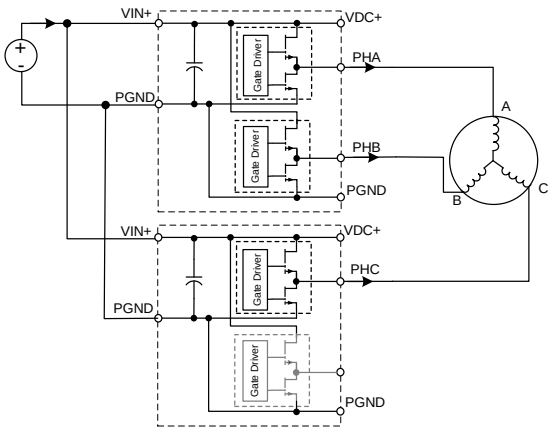


NOTE:

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.

3 PHASE MOTOR DRIVE

3-phase Motor drive (with 2 sets of mother board)



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