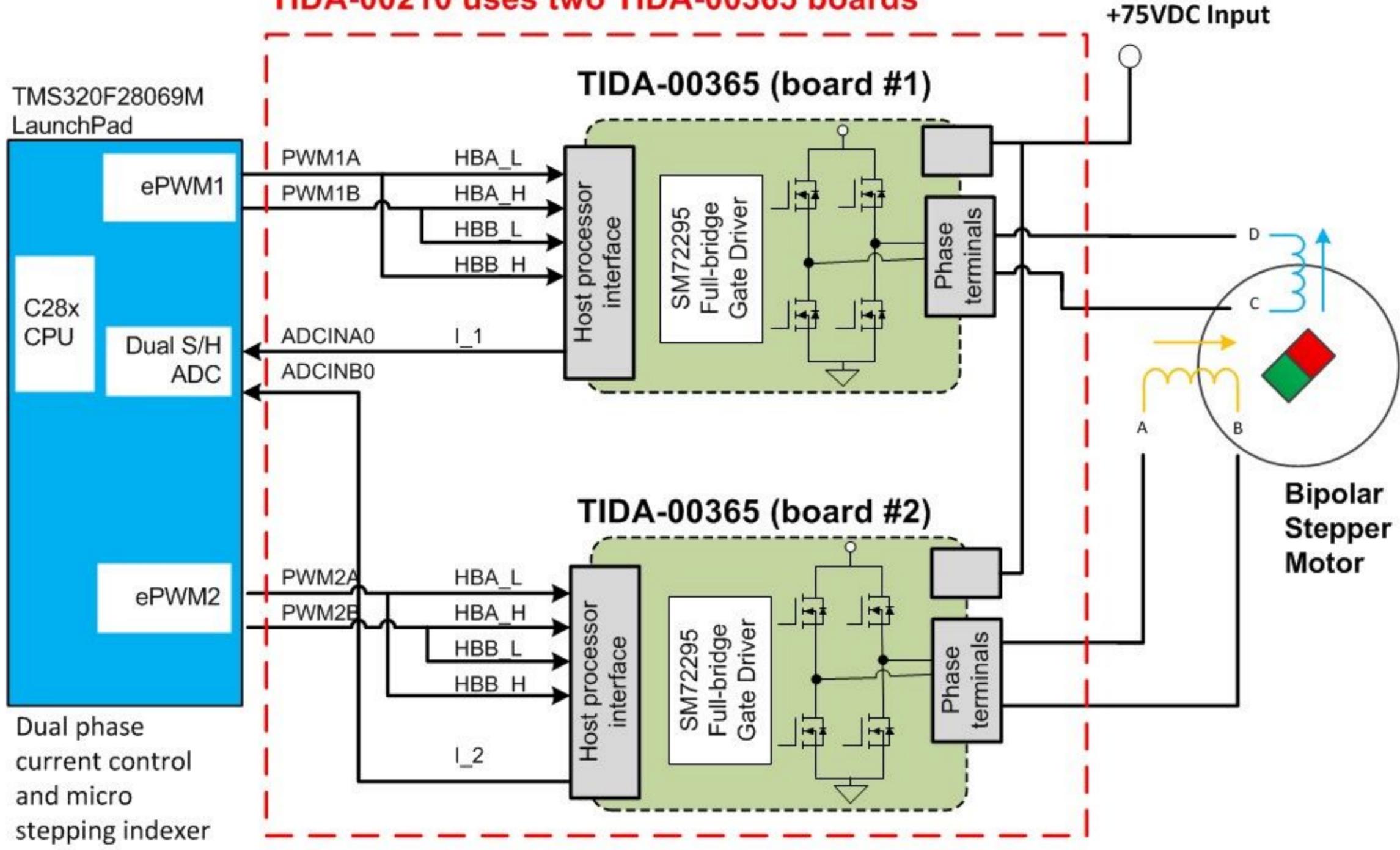


TIDA-00210 uses two TIDA-00365 boards

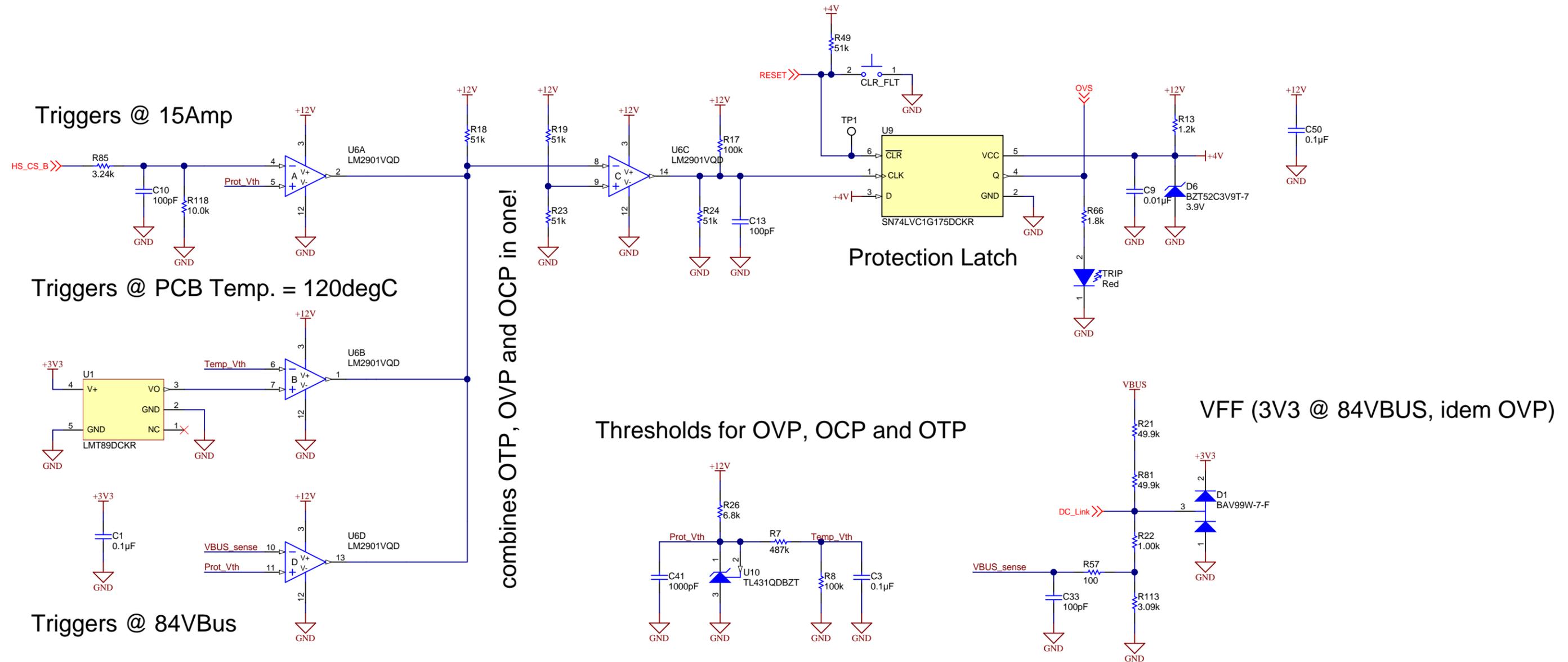


Note: The TIDA-00210 design is using two TIDA-00365 boards

Orderable: N/A	Designed for: Public Release	Mod. Date: 5/25/2016
TID #: TIDA-00365	Project Title: Full_Bridge_Power_Stage	
Number: TIDA-00365	Rev: E1	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: Production	Sheet: 1 of 3
Drawn By:	File: CoverSheet.SchDoc	Size: B
Engineer: V.Pizzolante	Contact: http://www.ti.com/support	

Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.





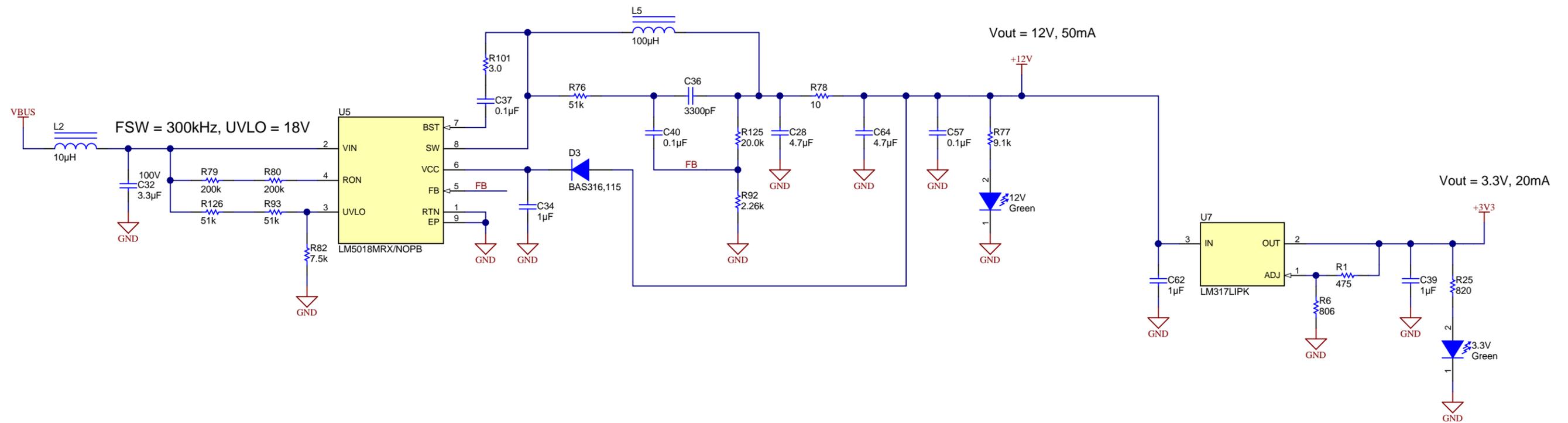
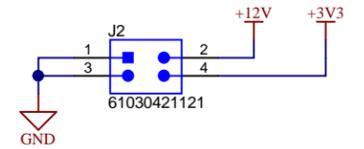
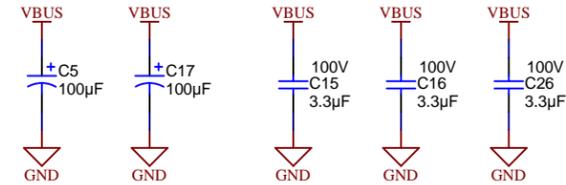
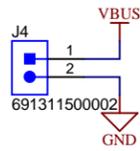
Note: The TIDA-00210 design is using two TIDA-00365 boards

Orderable: N/A	Designed for: Public Release	Mod. Date: 5/25/2016
TID #: TIDA-00365	Project Title: Full_Bridge_Power_Stage	
Number: TIDA-00365	Rev: E1	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: Production	Sheet: 2 of 3
Drawn By:	File: Protections_SchDoc	Size: B
Engineer: V.Pizzolante	Contact: http://www.ti.com/support	

Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.

DC Input Voltage: 20...75V

H10
IMECH
691352510002



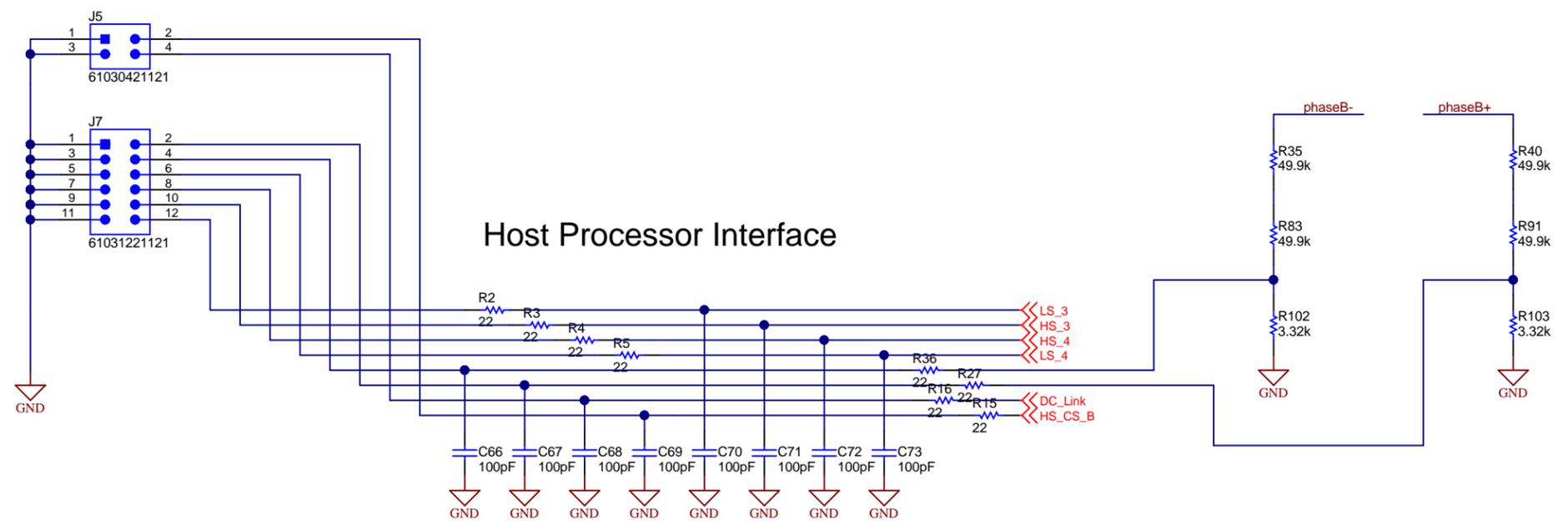
Note: The TIDA-00210 design is using two TIDA-00365 boards

Orderable: N/A	Designed for: Public Release	Mod. Date: 5/25/2016
TID #: TIDA-00365	Project Title: Full_Bridge_Power_Stage	
Number: TIDA-00365	Rev: E1	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: Production	Sheet: 2 of 3
Drawn By:	File: Power_Supply_SchDoc	Size: B
Engineer: V.Pizzolante	Contact: http://www.ti.com/support	

Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.



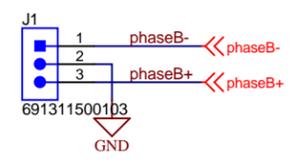
© Texas Instruments 2016



Host Processor Interface

Motor Terminals

H9
MECH
691351500003



Note: The TIDA-00210 design is using two TIDA-00365 boards

Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.

Orderable: N/A	Designed for: Public Release	Mod. Date: 5/25/2016
TID #: TIDA-00365	Project Title: Full_Bridge_Power_Stage	
Number: TIDA-00365	Rev: E1	Sheet: 2 of 3
SVN Rev: Version control disabled	Assembly Variant: Production	Size: B
Drawn By:	File: Interfaces_SchDoc	http://www.ti.com
Engineer: V.Pizzolante	Contact: http://www.ti.com/support	© Texas Instruments 2016





PCB Number: TIDA-00365
PCB Rev: E1

PCB
LOGO
Texas Instruments

PCB
LOGO
Pb-Free Symbol

H13 MECH 1514409	H1 MECH 1514409	H2 MECH 1514409	H3 MECH 1514409
H4 MECH 1902C	H5 MECH 1902C	H6 MECH 1902C	H7 MECH 1902C



PCB
LOGO
FCC disclaimer

Instruction for the PCB manufacturer
=====

These assemblies are ESD sensitive, ESD precautions shall be observed.

These assemblies must be clean and free from flux and all contaminants.
Use of no clean flux is not acceptable.

These assemblies must comply with workmanship standards IPC-A-610 Class 2,
unless otherwise specified.

Add a label with the serial number after final wash.

Note: The TIDA-00210 design is using two TIDA-00365 boards

Orderable: N/A	Designed for: Public Release	Mod. Date: 5/25/2016
TID #: TIDA-00365	Project Title: Full_Bridge_Power_Stage	
Number: TIDA-00365	Rev: E1	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: Production	Sheet: 3 of 3
Drawn By:	File: TIDA00365_Screws.SchDoc	Size: B
Engineer: V.Pizzolante	Contact: http://www.ti.com/support	

Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.



IMPORTANT NOTICE FOR TI REFERENCE DESIGNS

Texas Instruments Incorporated ("TI") reference designs are solely intended to assist designers ("Designer(s)") who are developing systems that incorporate TI products. TI has not conducted any testing other than that specifically described in the published documentation for a particular reference design.

TI's provision of reference designs and any other technical, applications or design advice, quality characterization, reliability data or other information or services does not expand or otherwise alter TI's applicable published warranties or warranty disclaimers for TI products, and no additional obligations or liabilities arise from TI providing such reference designs or other items.

TI reserves the right to make corrections, enhancements, improvements and other changes to its reference designs and other items.

Designer understands and agrees that Designer remains responsible for using its independent analysis, evaluation and judgment in designing Designer's systems and products, and has full and exclusive responsibility to assure the safety of its products and compliance of its products (and of all TI products used in or for such Designer's products) with all applicable regulations, laws and other applicable requirements. Designer represents that, with respect to its applications, it has all the necessary expertise to create and implement safeguards that (1) anticipate dangerous consequences of failures, (2) monitor failures and their consequences, and (3) lessen the likelihood of failures that might cause harm and take appropriate actions. Designer agrees that prior to using or distributing any systems that include TI products, Designer will thoroughly test such systems and the functionality of such TI products as used in such systems. Designer may not use any TI products in life-critical medical equipment unless authorized officers of the parties have executed a special contract specifically governing such use. Life-critical medical equipment is medical equipment where failure of such equipment would cause serious bodily injury or death (e.g., life support, pacemakers, defibrillators, heart pumps, neurostimulators, and implantables). Such equipment includes, without limitation, all medical devices identified by the U.S. Food and Drug Administration as Class III devices and equivalent classifications outside the U.S.

Designers are authorized to use, copy and modify any individual TI reference design only in connection with the development of end products that include the TI product(s) identified in that reference design. HOWEVER, NO OTHER LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE TO ANY OTHER TI INTELLECTUAL PROPERTY RIGHT, AND NO LICENSE TO ANY TECHNOLOGY OR INTELLECTUAL PROPERTY RIGHT OF TI OR ANY THIRD PARTY IS GRANTED HEREIN, including but not limited to any patent right, copyright, mask work right, or other intellectual property right relating to any combination, machine, or process in which TI products or services are used. Information published by TI regarding third-party products or services does not constitute a license to use such products or services, or a warranty or endorsement thereof. Use of the reference design or other items described above may require a license from a third party under the patents or other intellectual property of the third party, or a license from TI under the patents or other intellectual property of TI.

TI REFERENCE DESIGNS AND OTHER ITEMS DESCRIBED ABOVE ARE PROVIDED "AS IS" AND WITH ALL FAULTS. TI DISCLAIMS ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, REGARDING THE REFERENCE DESIGNS OR USE OF THE REFERENCE DESIGNS, INCLUDING BUT NOT LIMITED TO ACCURACY OR COMPLETENESS, TITLE, ANY EPIDEMIC FAILURE WARRANTY AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

TI SHALL NOT BE LIABLE FOR AND SHALL NOT DEFEND OR INDEMNIFY DESIGNERS AGAINST ANY CLAIM, INCLUDING BUT NOT LIMITED TO ANY INFRINGEMENT CLAIM THAT RELATES TO OR IS BASED ON ANY COMBINATION OF PRODUCTS AS DESCRIBED IN A TI REFERENCE DESIGN OR OTHERWISE. IN NO EVENT SHALL TI BE LIABLE FOR ANY ACTUAL, DIRECT, SPECIAL, COLLATERAL, INDIRECT, PUNITIVE, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES IN CONNECTION WITH OR ARISING OUT OF THE REFERENCE DESIGNS OR USE OF THE REFERENCE DESIGNS, AND REGARDLESS OF WHETHER TI HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

TI's standard terms of sale for semiconductor products (<http://www.ti.com/sc/docs/stdterms.htm>) apply to the sale of packaged integrated circuit products. Additional terms may apply to the use or sale of other types of TI products and services.

Designer will fully indemnify TI and its representatives against any damages, costs, losses, and/or liabilities arising out of Designer's non-compliance with the terms and provisions of this Notice.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2016, Texas Instruments Incorporated