


Revision History

Rev	ECN #	Approved Date	Approved by	Notes
N/A	N/A	N/A	N/A	N/A

Page 2 BLOCK DIAGRAM

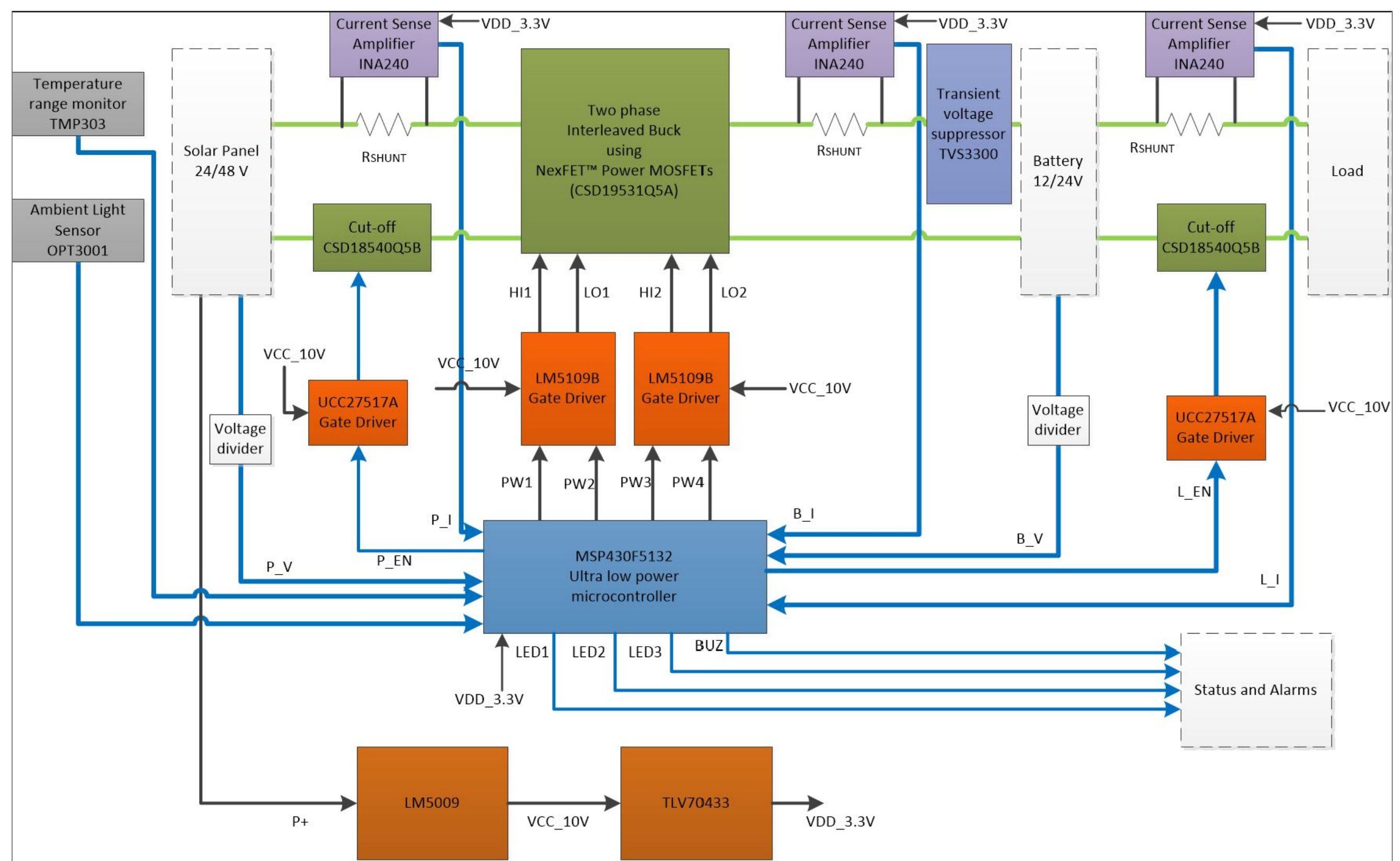
Page 3 POWER STAGE

Page 4 CONTROLLER AND BIAS SUPPLY

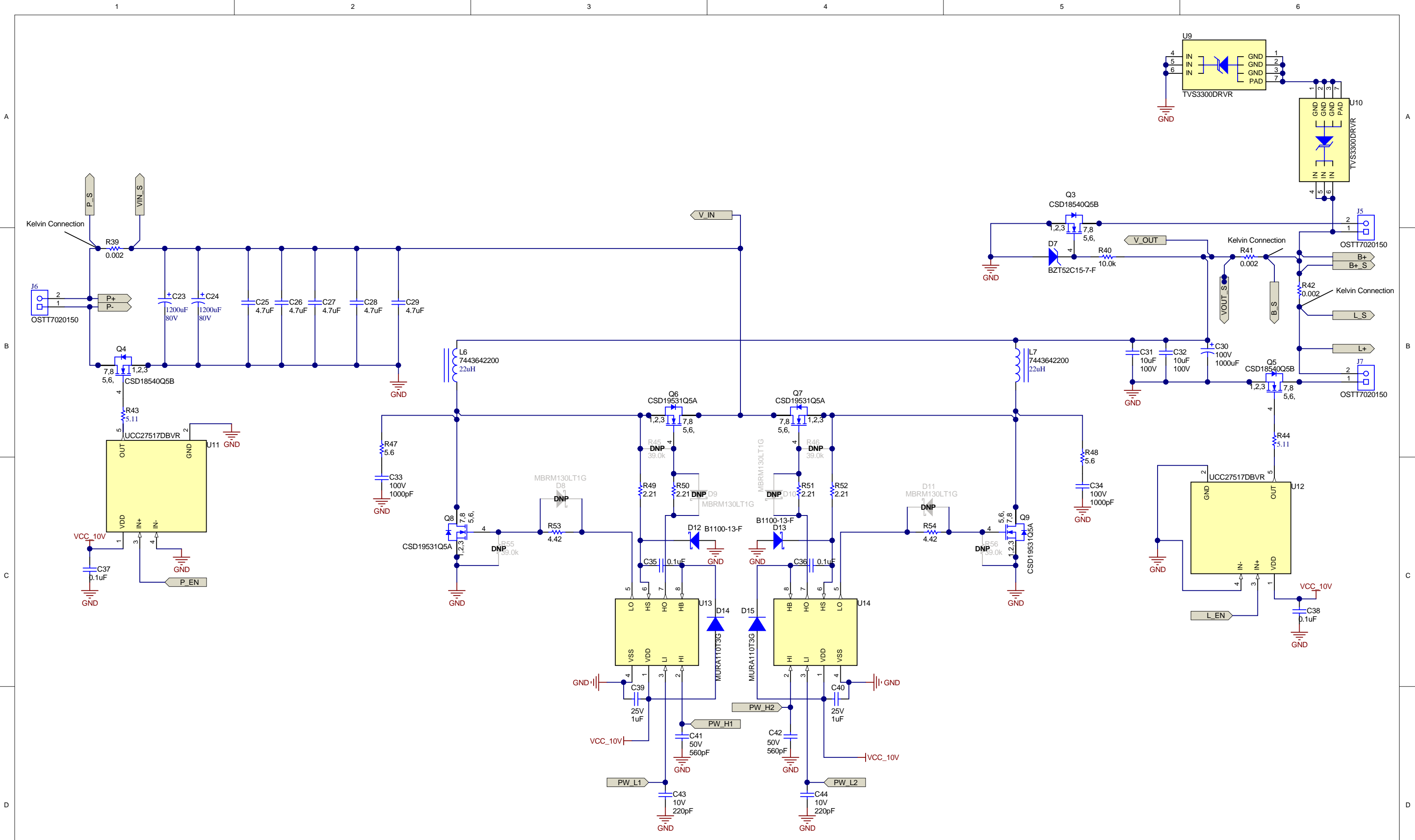
Orderable: <a href="#">ChangeMe in variant</a>	Designed for: <a href="#">Public Release</a>	Mod. Date: 5/11/2018	 TEXAS INSTRUMENTS <a href="http://www.ti.com">http://www.ti.com</a> © Texas Instruments 2018
TID #: <a href="#">TIDA-010042</a>	Project Title: <a href="#">TIDA-010042</a>		
Number: <a href="#">TIDA-010042</a>   Rev: <a href="#">E2</a>	Sheet Title: <a href="#">Coversheet</a>		
SVN Rev: <a href="#">Not in version control</a>	Assembly Variant: <a href="#">002</a>	Sheet: <a href="#">1 of 5</a>	
Drawn By: <a href="#">Vaibhavi</a>	File: <a href="#">TIDA-010042-E2_Cover Sheet_Pg1.SchDoc</a>	Size: B	
Engineer: <a href="#">Vaibhavi</a>	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>		

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.

Revision History				
Rev	ECN #	Approved Date	Approved by	Notes
N/A	N/A	N/A	N/A	N/A



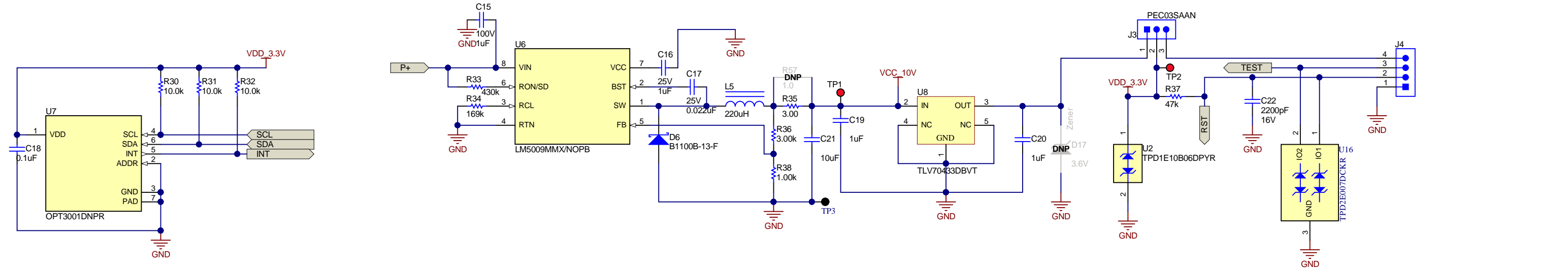
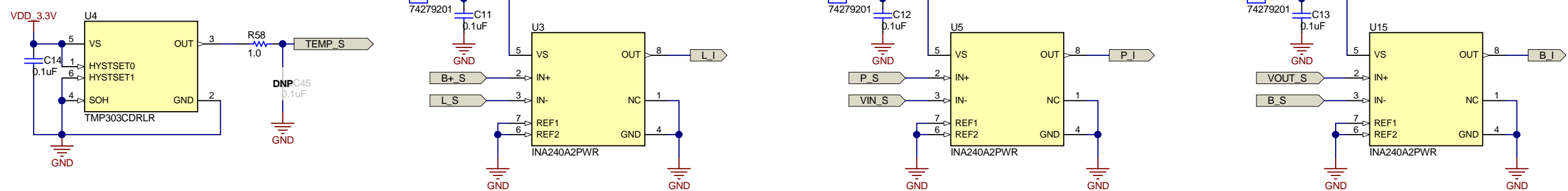
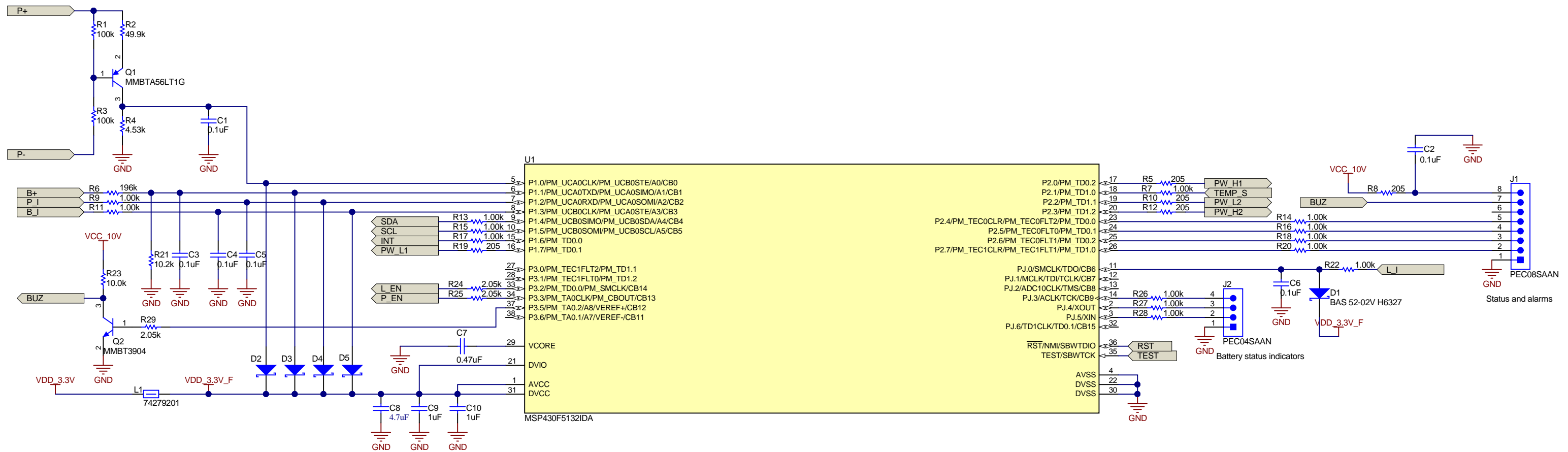
Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular 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 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: ChangeMe in variant	Designed for: Public Release	Mod. Date: 8/30/2018
TID #: TIDA-010042	Project Title: TIDA-010042	
Number: TIDA-010042	Rev: E2	Sheet Title: Power Stage
SVN Rev: Not in version control	Assembly Variant: 002	Sheet: 3 of 5
Drawn By: Vaibhavi	File: TIDA-010042-E2_Power Stage_Pg3.SchDoc	Size: B
Engineer: Vaibhavi	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	

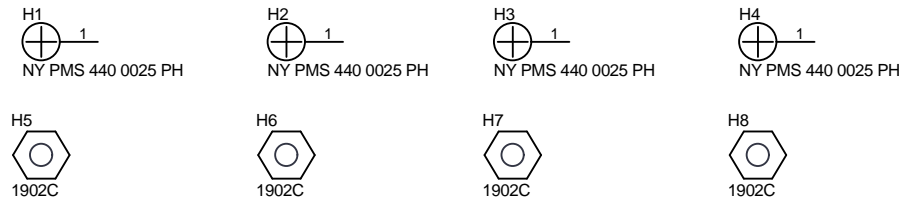
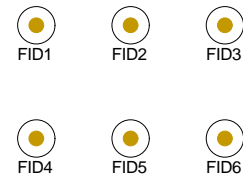




Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular 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: ChangeMe in variant	Designed for: Public Release	Mod. Date: 8/29/2018
TID #: TIDA-010042	Project Title: TIDA-010042	
Number: TIDA-010042	Rev: E2	Sheet Title: Controller and Bias Supply
SVN Rev: Not in version control	Assembly Variant: 002	Sheet: 4 of 5
Drawn By: Vaibhavi	File: TIDA-010042-E2_Controller and Bias supply_Pg4.SchDoc	Size: 1.0 MB
Engineer: Vaibhavi	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	© Texas Instruments 2018





PCB Number: TIDA-010042  
PCB Rev: E2



Variant/Label Table	
Variant	Label Text
001	Version E1

LBL1  
PCB Label  
THT-14-423-10

ZZ1  
Label Assembly Note  
This Assembly Note is for PCB labels only

ZZ2  
Assembly Note  
These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ3  
Assembly Note  
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ4  
Assembly Note  
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

Preliminary Version. Not tested. Subject to change without notice

Orderable: <a href="#">ChangeMe in variant</a>	Designed for: <a href="#">Public Release</a>	Mod. Date: 11/13/2018
TID #: <a href="#">TIDA-010042</a>	Project Title: <a href="#">TIDA-010042</a>	
Number: <a href="#">TIDA-010042</a>   Rev: <a href="#">E2</a>	Sheet Title: <a href="#">Hardware</a>	
SVN Rev: <a href="#">Not in version control</a>	Assembly Variant: <a href="#">002</a>	Sheet: <a href="#">5 of 5</a>
Drawn By: <a href="#">Vaibhavi</a>	File: <a href="#">TIDA-010042-E2_EVM_Hardware_Pg5.SchDoc</a>   Size: B	<a href="http://www.ti.com">http://www.ti.com</a>
Engineer: <a href="#">Vaibhavi</a>	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	© Texas Instruments 2018

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 AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale ([www.ti.com/legal/termsofsale.html](http://www.ti.com/legal/termsofsale.html)) or other applicable terms available either on [ti.com](http://ti.com) or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
Copyright © 2019, Texas Instruments Incorporated