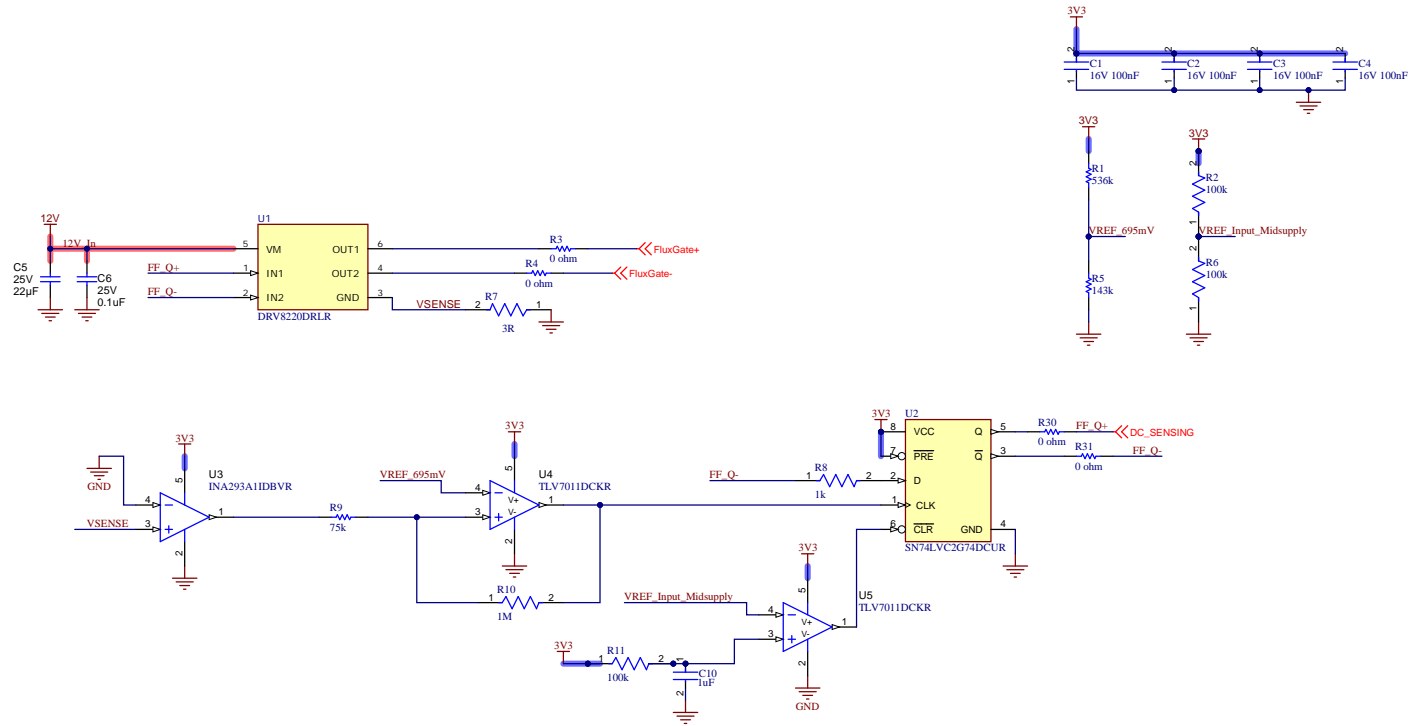


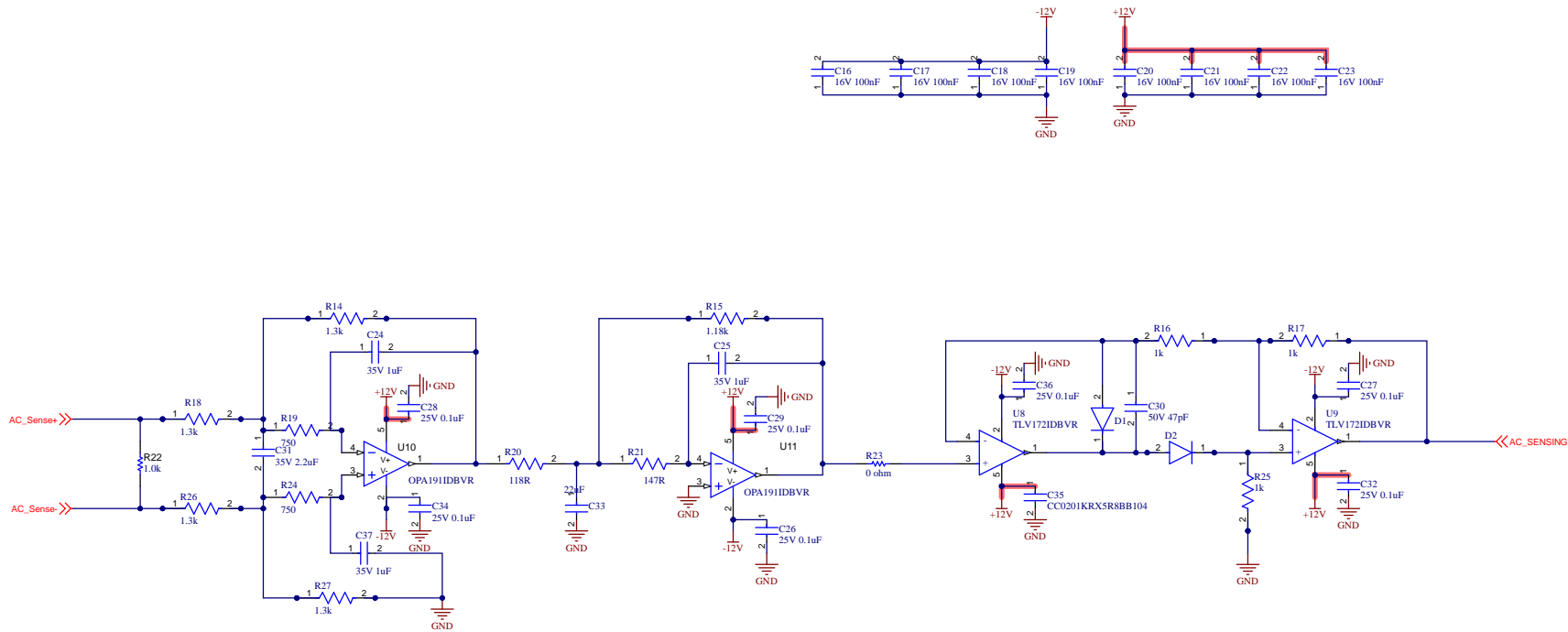
Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular 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: <a href="#">ChangeMe in variant</a>	Designed for: <a href="#">Public Release</a>	Mod. Date: 12/22/2022	 <a href="http://www.ti.com">http://www.ti.com</a>
TID #: TIDA-010237	Project Title: AC and DC Current Fault Detection Reference Desi		
Number: TIDA-010237   Rev: E1	Sheet Title:		
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 1 of 6	
Drawn By:	File: TIDA-010237_Block_Diagram_SchDoc	Size: B	
Engineer: <a href="#">Nic Gough</a>	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>		© Texas Instruments 2018



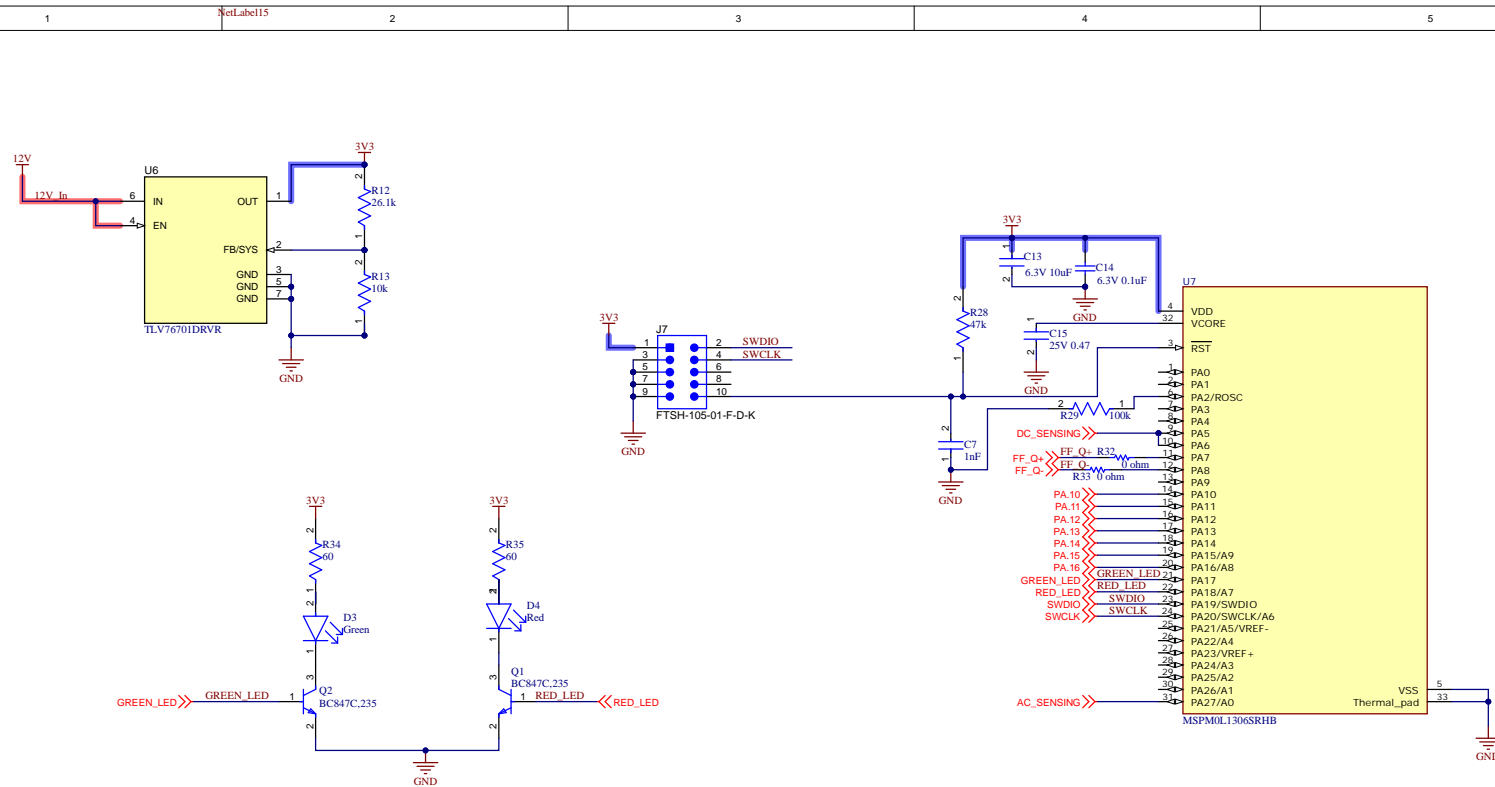
Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular 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.

Orderable: ChangeMe in variant	Designed for: Public Release	Mod. Date: 12/22/2022
TID #: TIDA-010237	Project Title: AC and DC Current Fault Detection Reference Desi	
Number: TIDA-010237   Rev: E1	Sheet Title:	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 2 of 6
Drawn By:	File: TIDA-010237_Driver_Circuit_SchDoc	Size: B
Engineer: Nic Gough	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: 12/22/2022
TID #: TIDA-010237	Project Title: AC and DC Current Fault Detection Reference Desi	
Number: TIDA-010237   Rev: E1	Sheet Title:	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 3 of 6
Drawn By:	File: TIDA-010237 Receiver_Circuit_SchDoc	Size: B
Engineer: Nic Gough	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	



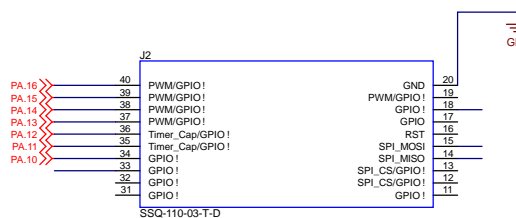
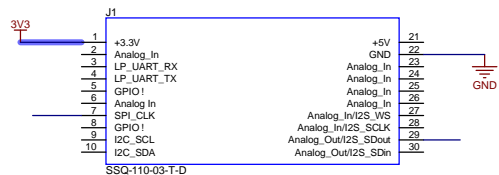
Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular 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 implementation to confirm the system functionality for your application.

Orderable: ChangeMe in variant	Designed for: Public Release	Mod. Date: 12/22/2022
TID #: TIDA-010237	Project Title: AC and DC Current Fault Detection Reference Desi	
Number: TIDA-010237   Rev: E1	Sheet Title:	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 4 of 6
Drawn By:	File: TIDA-010237_Power_SchDoc	Size: B
Engineer: Nic Gough	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	

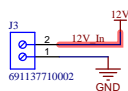


© Texas Instruments 2018

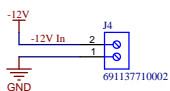
## BoosterPack Connectors



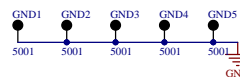
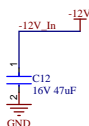
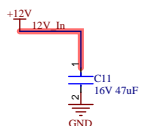
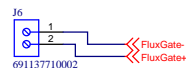
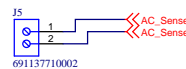
### 12 Volt Connector



### -12 Volt Connector



### Core Terminal



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: <a href="#">ChangeMe in variant</a>	Designed for: <a href="#">Public Release</a>	Mod. Date: 12/22/2022
TID #: TIDA-010237	Project Title: AC and DC Current Fault Detection Reference Desi	
Number: TIDA-010237   Rev: E1	Sheet Title:	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 5 of 6
Drawn By:	File: TIDA-010237_Connectors.SchDoc	Size: B
Engineer: Nic Gough	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	



PCB Number: TIDA-010237  
PCB Rev: E1

PCB  
LOGO  
FCC disclaimer

PCB  
LOGO  
WEEE logo

Variant/Label Table	
Variant	Label Text
001	ChangeMe!
002	ChangeMe!

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

ZZ2  
Assembly Note  
This Assembly Note will show in the PcbDoc and associated outputs

ZZ3  
Assembly Note  
This Assembly Note will show in the PcbDoc and associated outputs

ZZ4  
Assembly Note  
This Assembly Note will show in the PcbDoc and associated outputs

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: <a href="#">ChangeMe in variant</a>	Designed for: <a href="#">Public Release</a>	Mod. Date: 12/22/2022
TID #: TIDA-010237	Project Title: AC and DC Current Fault Detection Reference Desi	
Number: TIDA-010237   Rev: E1	Sheet Title:	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 6 of 6
Drawn By:	File: TIDA-010237_Hardware_SchDoc	Size: B
Engineer: Nic Gough	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	



© Texas Instruments 2018

## IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATA SHEETS), 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, regulatory 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](#) 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.

TI objects to and rejects any additional or different terms you may have proposed.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
Copyright © 2022, Texas Instruments Incorporated