



PCB Number: TIDA-010269
PCB Rev: 00

PCB
LOGO
Pb-Free Symbol

PCB
LOGO
FCC disclaimer

PCB
LOGO
Logo7

PCB
LOGO
Logo6

PCB
LOGO
WEEE logo

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

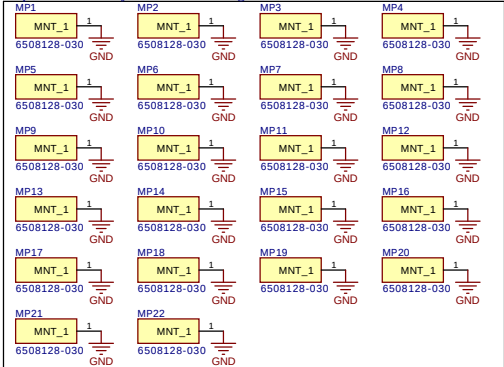
ZZ1
Label Assembly Note
This Assembly Note is for PCB labels only

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

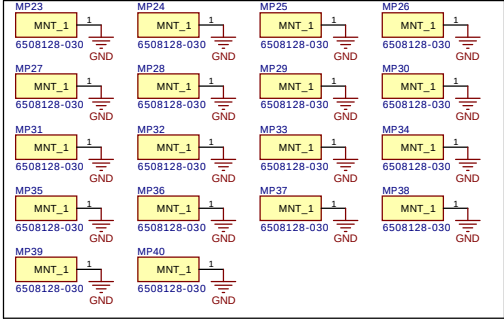
ZZ3
Assembly Note
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

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

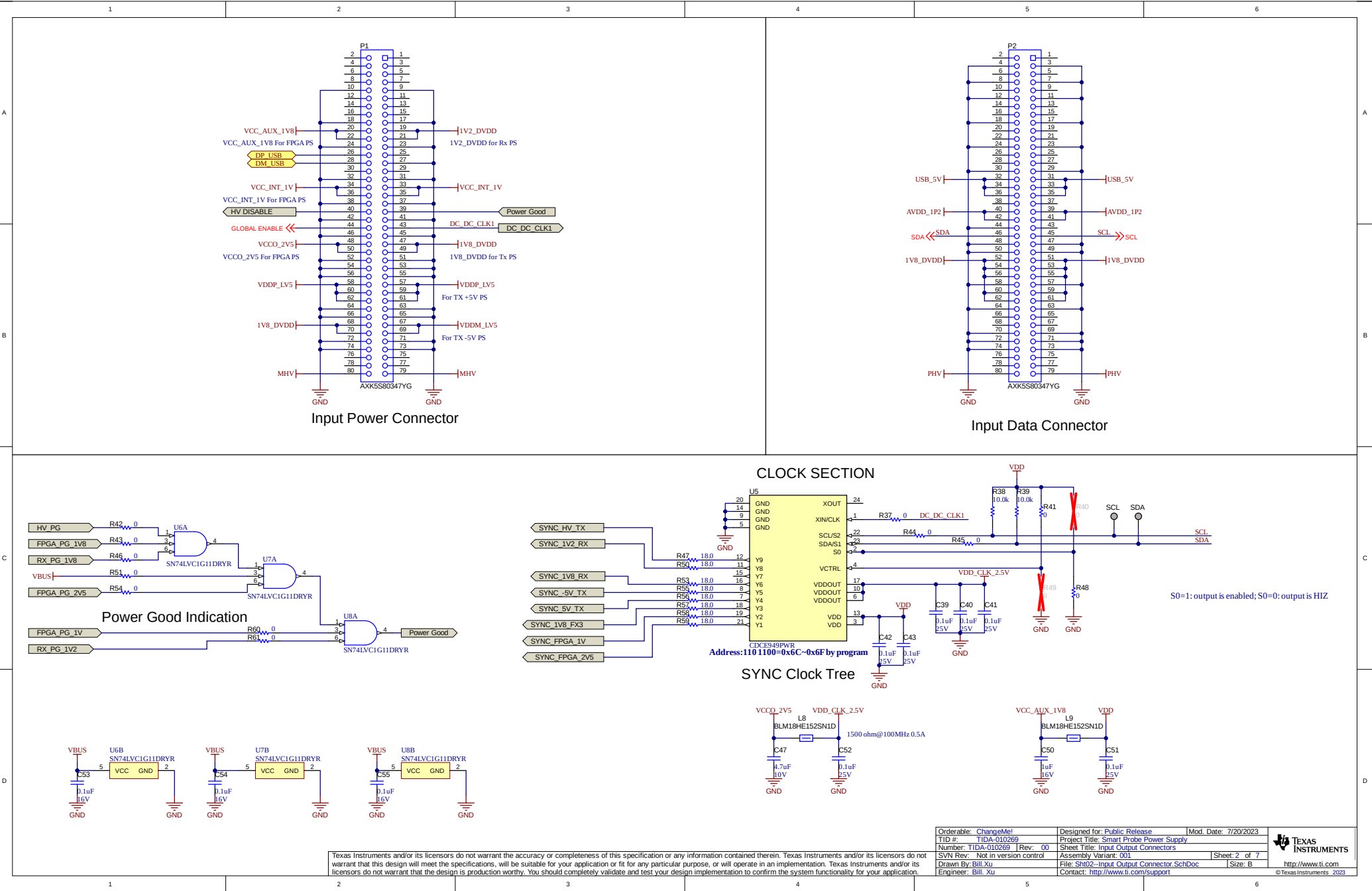
Clips for bottom layer shield mounting



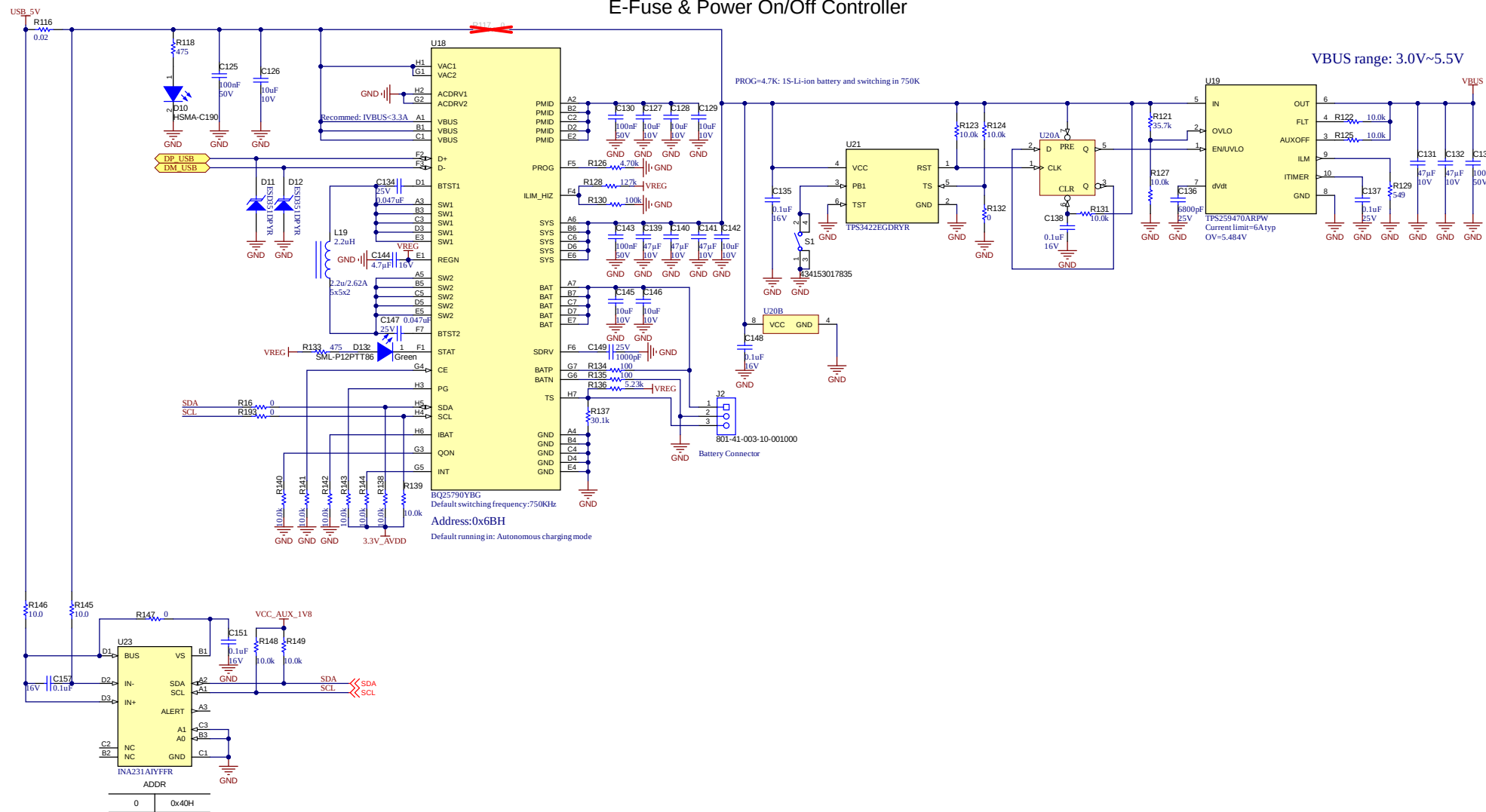
Clips for Top layer shield mounting



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E-Fuse & Power On/Off Controller



Total System Power Measurement

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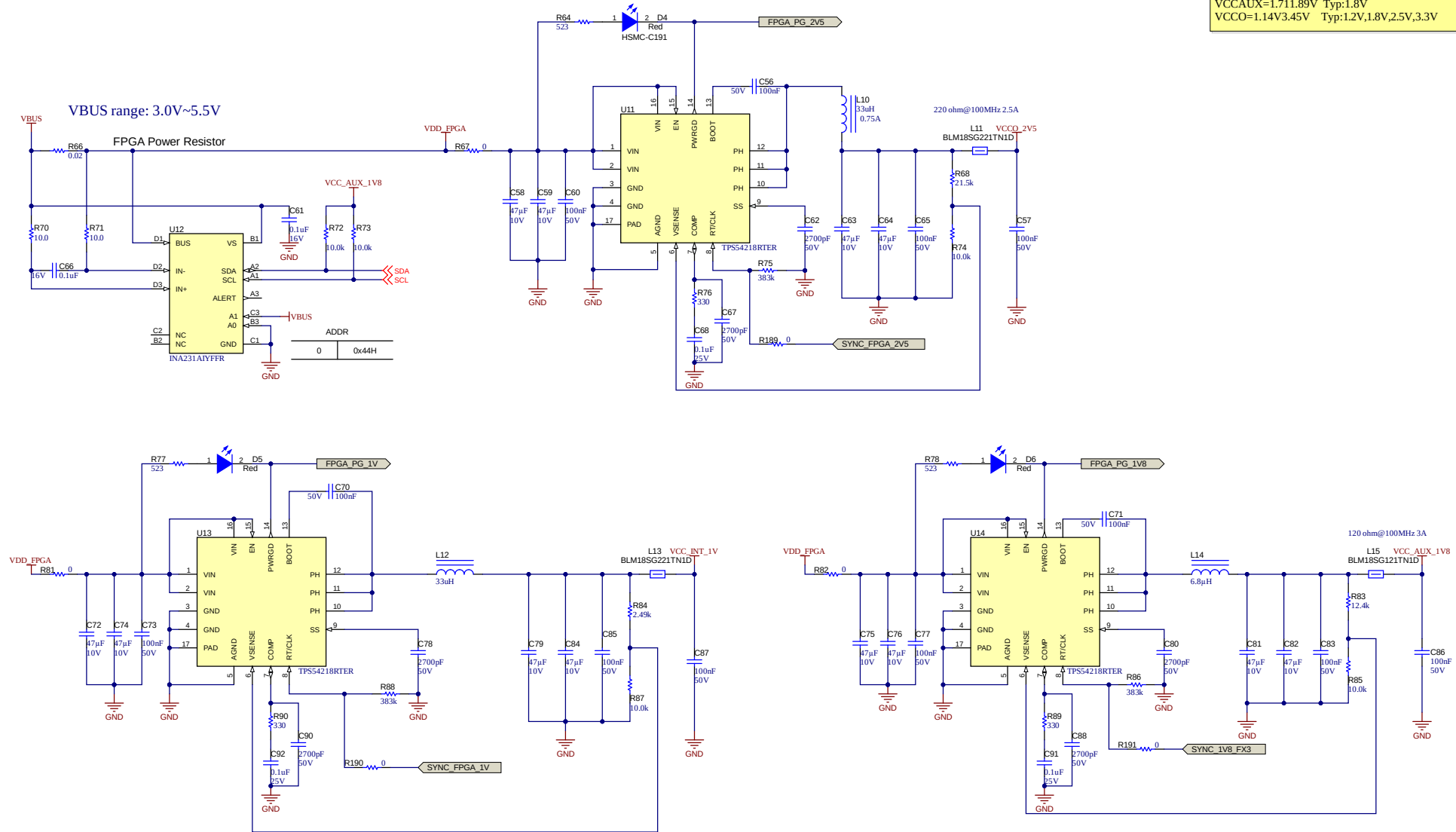
Orderable: ChangeMe!	Designed for: Public Release	Mod. Date: 7/21/2023
TID: TIDA-04-069	Project Title: Smart Probe Power Supply	
SVN Rev: TIDA-010269 Rev: 00	Sheet Title: EUSB Charger Power On-Off	
Number: Not in version control	Assembly Variant: 001	Sheet: 3 of 7
Drawn by: Bill Xu	File: Sht03-EUSB Power on-Off Controller.SchDoc	Size: B
Engineer: Bill Xu	Contact: http://www.ti.com/support	



<http://www.ti.com>
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Power Supply For FPGA

FPGA Power Supply According Datasheet
VCCINT=0.87V/1.05V Typ:0.9V,0.95V,1V
VCCAUX=1.711.89V Typ:1.8V
VCCO=1.14V/3.45V Typ:1.2V,1.8V,2.5V,3.3V



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Orderable: ChangeMe!	Designed for: Public Release	Mod. Date: 6/5/2023
TID #:	TIDA-010269	Project Title: Smart Probe Power Supply
Number: TIDA-010269	Rev: 00	Sheet Title: LVPS FPGA
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 4 of 7
Drawn By: Bill Xu	File: Sht04-FPGA Power Supply SchDoc	Size: B
Engineer: Bill Xu	Contact: http://www.ti.com/support	

1

2

3

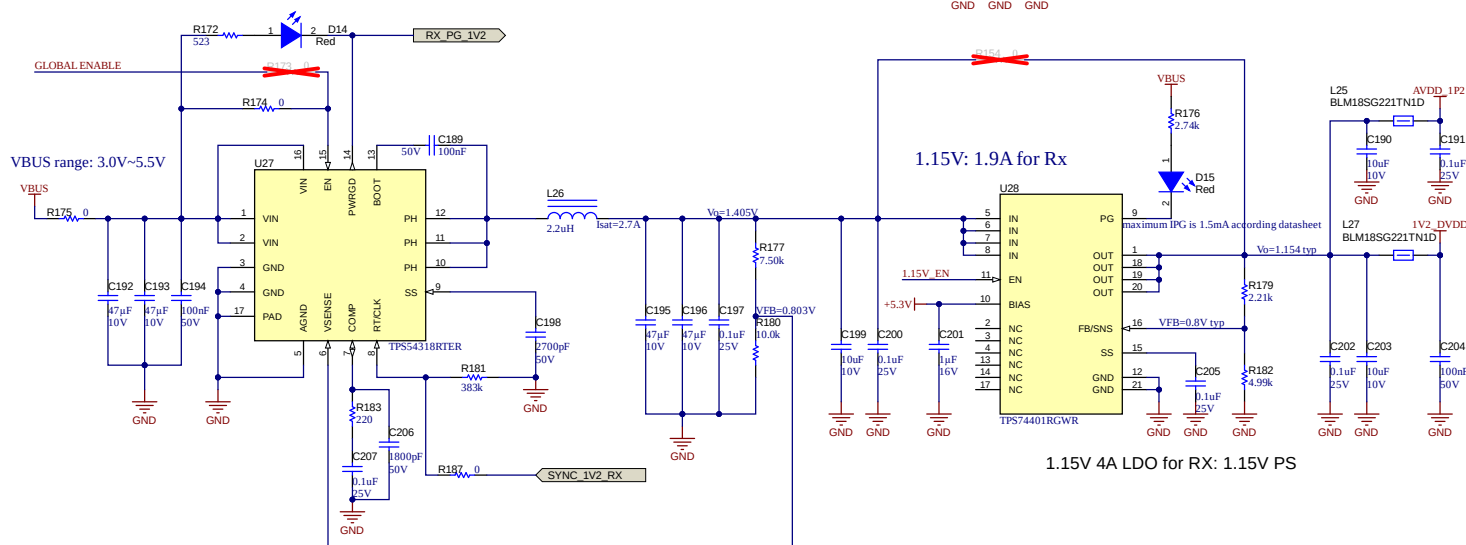
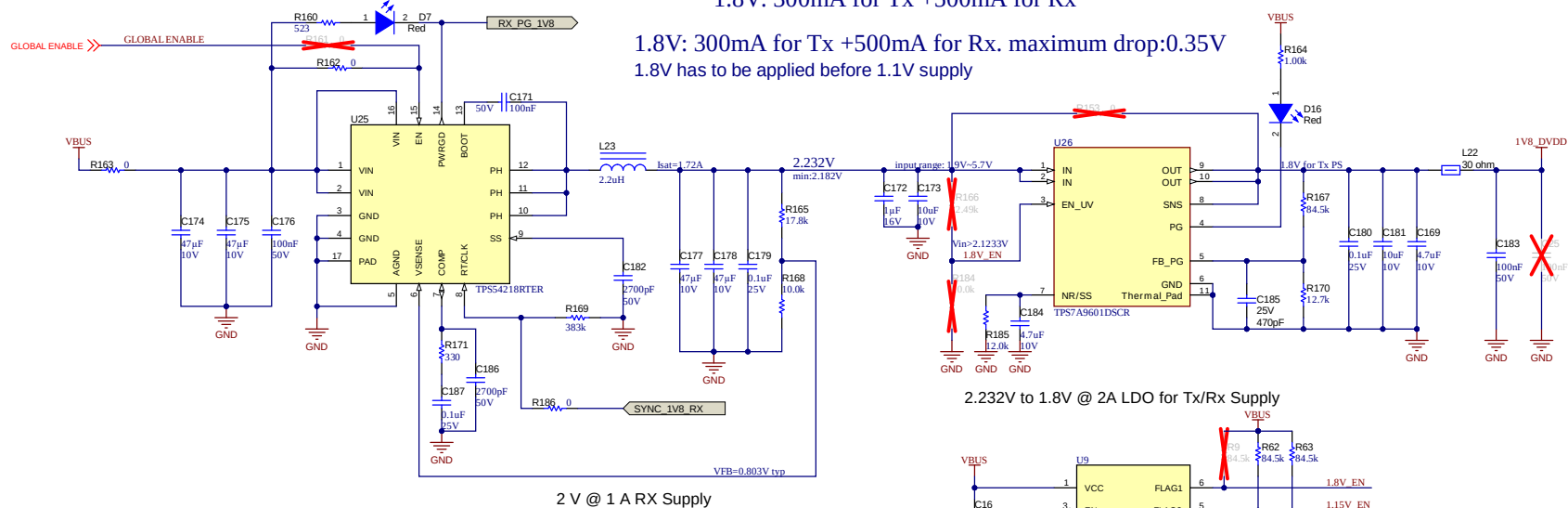
4

5

6

1.8V: 300mA for Tx +500mA for Rx

1.8V: 300mA for Tx +500mA for Rx. maximum drop:0.35V
1.8V has to be applied before 1.1V supply



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Orderable: ChangeMe!	Designed for: Public Release	Mod. Date: 7/24/2023
TID #: TIDA-010269	Project Title: Smart Probe Power Supply	
Number: TIDA-010269 Rev: 00	Sheet Title: LVPS RX Supply 1.8V and 1.15V	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 5 of 7
Drawn By: Bill Xu	File: Sht05-TX-RX Supply 1.8V and 1.15V.SchDoc	Size: B
Engineer: Bill Xu	Contact: http://www.ti.com/support	

1

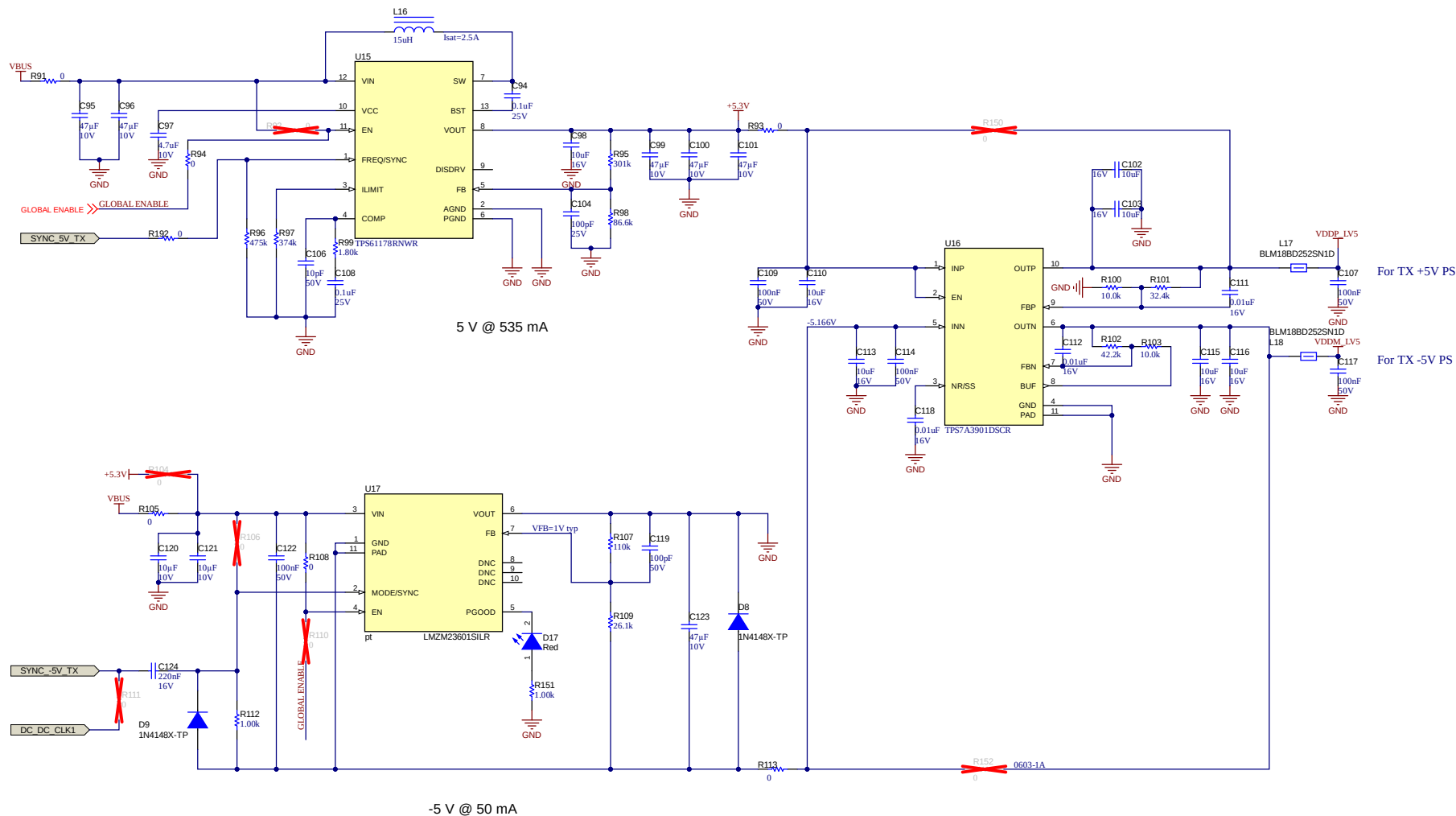
2

3

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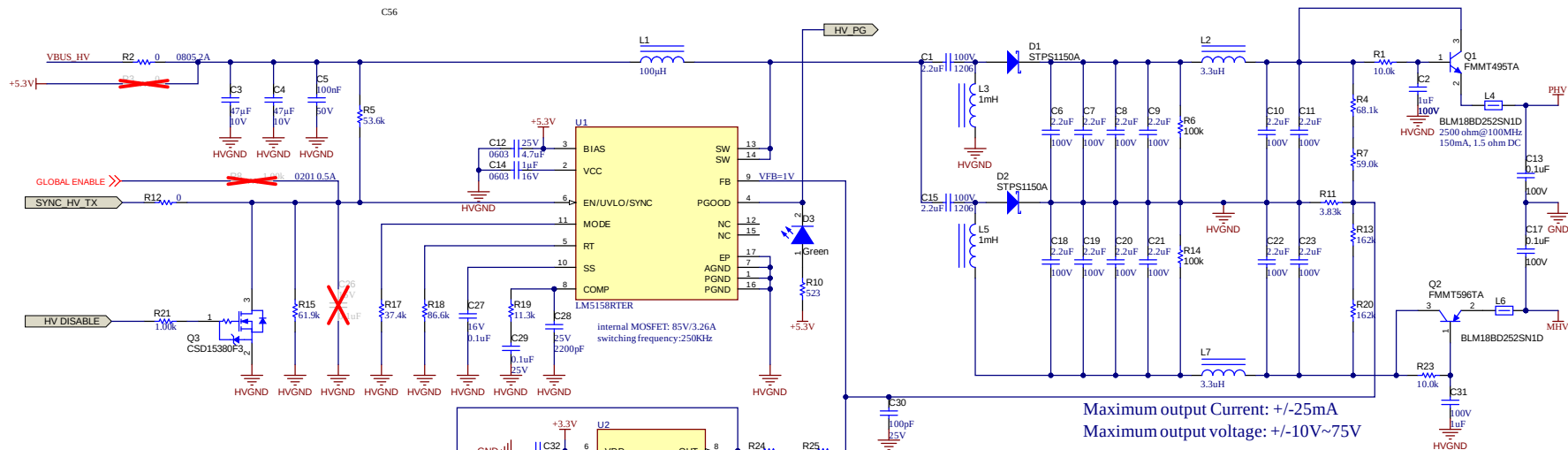
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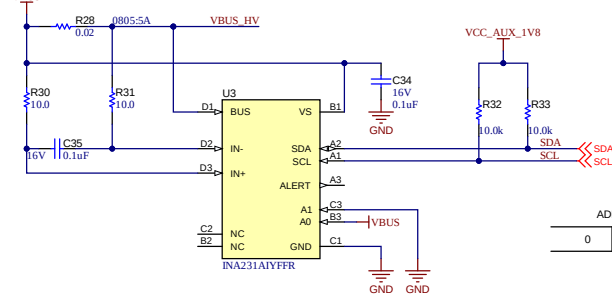


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Orderable: ChangeMe!	Designed for: Public Release	Mod. Date: 6/20/2023
TID #: TIDA-010269	Project Title: Smart Probe Power Supply	
Number: TIDA-010269 Rev: 00	Sheet Title: LVPS RX Supply +5V & -5V	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 6 of 7
Drawn By: Bill Xu	File: Sht06-TX Supply +5V and -5V.SchDoc	Size: B
Engineer: Bill Xu	Contact: http://www.ti.com/support	



TX Power Resistor



ADDR	
0	0x41H

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Orderable: ChangeMe!	Designed for: Public Release	Mod. Date: 7/26/2023
TID #: TIDA-010269	Project Title: Smart Probe Power Supply	
Number: TIDA-010269 Rev: 00	Sheet Title: HVPS	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 7 of 7
Drawn By: Bill Xu	File: Sht07-High Voltage Power Supply SchDoc	Size: B
Engineer: Bill Xu	Contact: http://www.ti.com/support	

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