

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

A

B

C

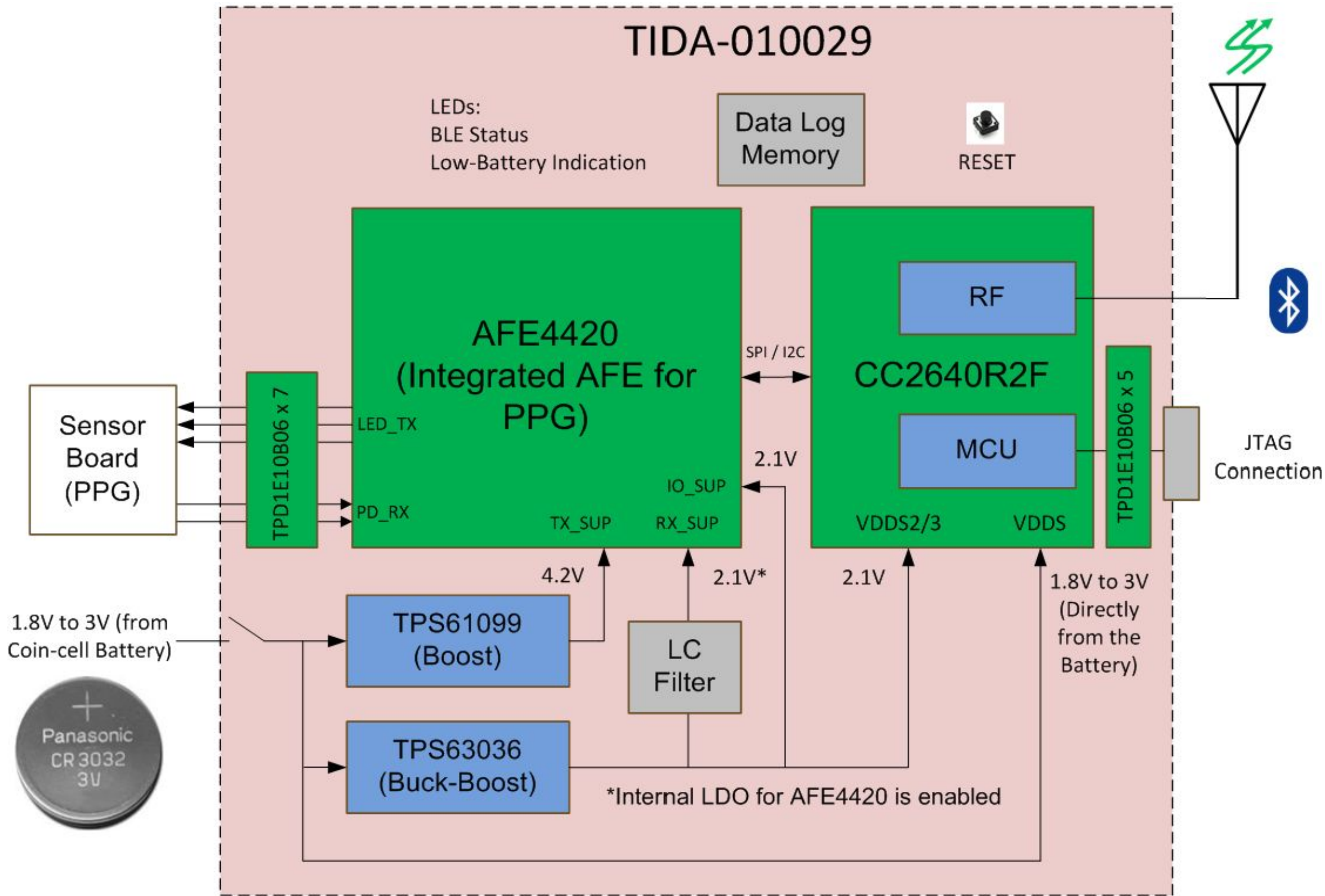
D

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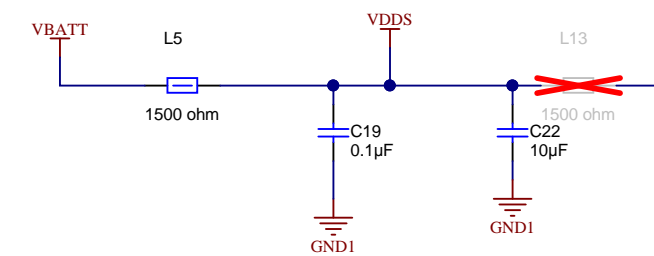
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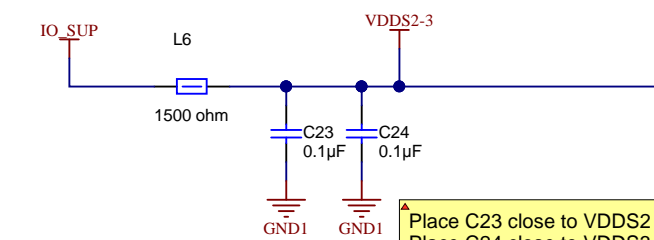
Orderable: N/A	Designed for: Public Release	Mod. Date: 7/26/2018
TID #: TIDA-010029	Project Title: Wireless HRM & SpO2 Monitor	
Number: TIDA-010029	Rev: E1	Sheet Title: Block Diagram
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 1 of 5
Drawn By: Sanjay Pithadia	File: TIDA-010029-E1-Main-BD.SchDoc	Size: B
Engineer: Sanjay Pithadia	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	



## VDDS Decoupling Capacitors

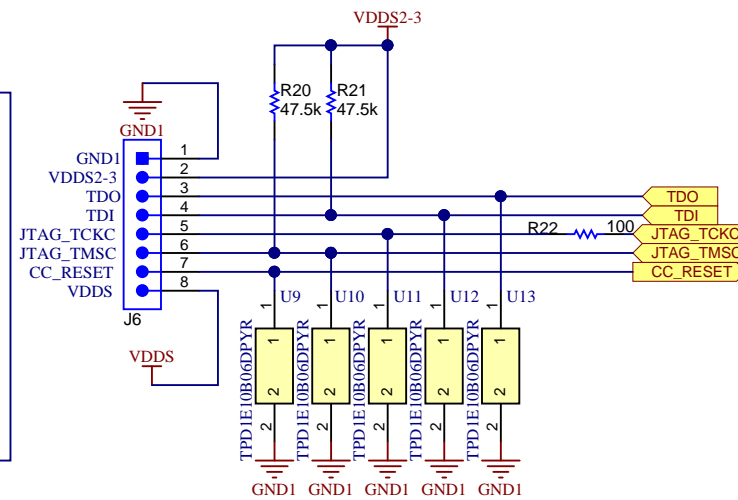


## VDDS2-3 Decoupling Capacitors

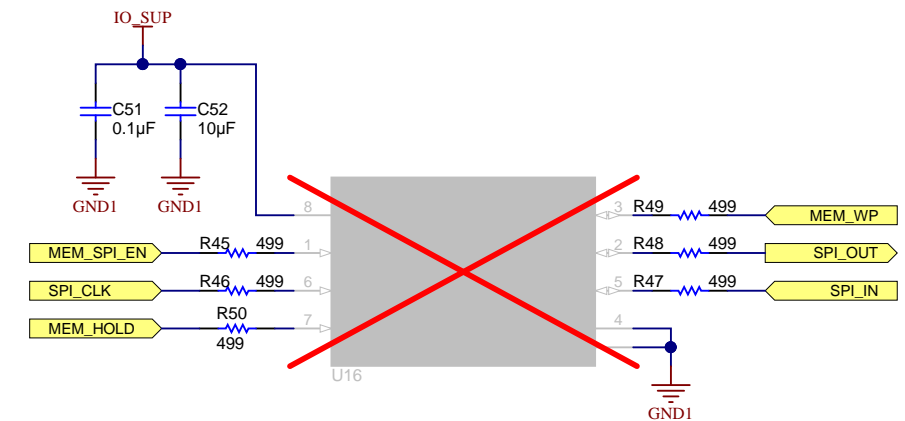


Place C23 close to VDDS2 pin.  
Place C24 close to VDDS3 pin.

## MCU Programming Connector

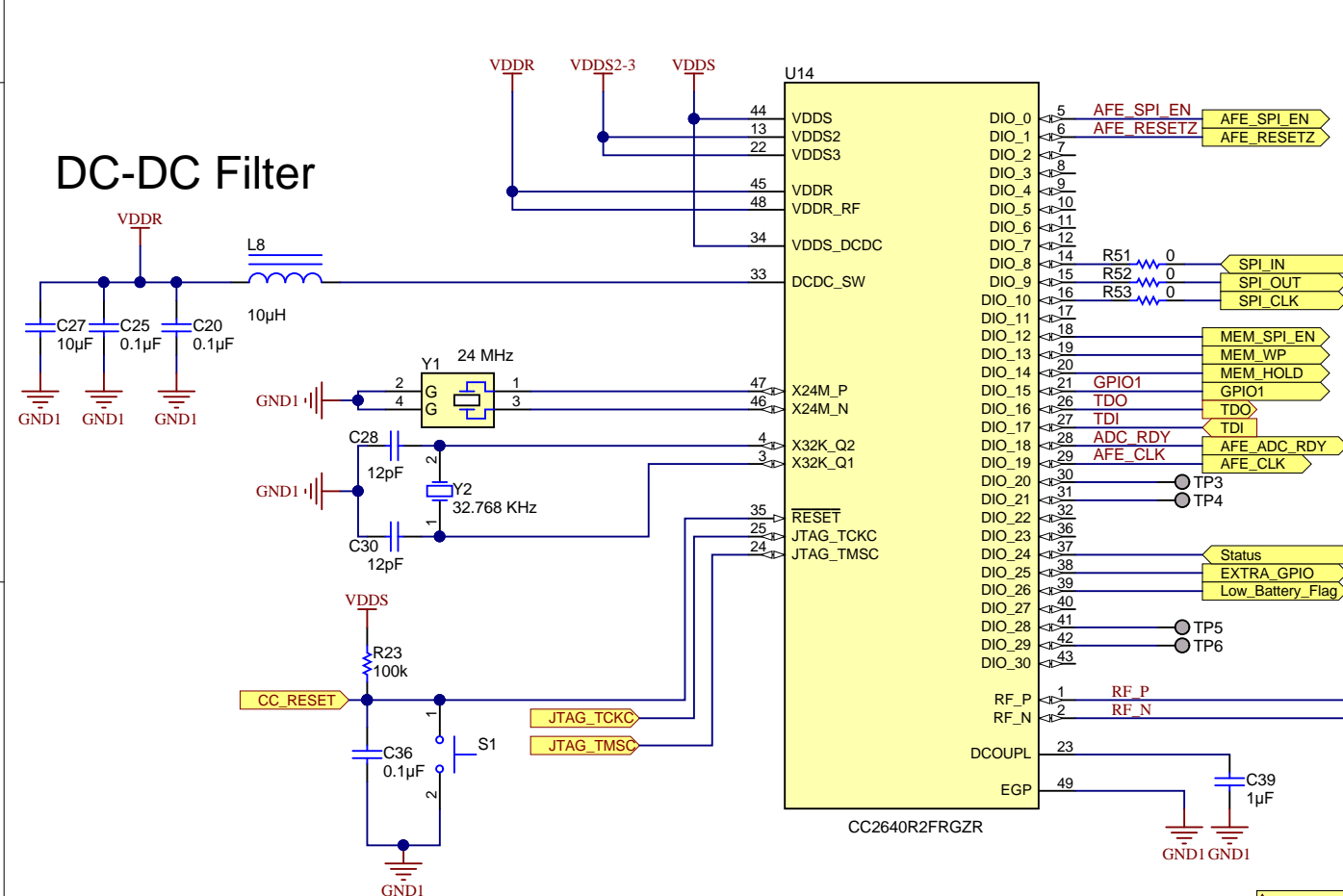


## External Memory

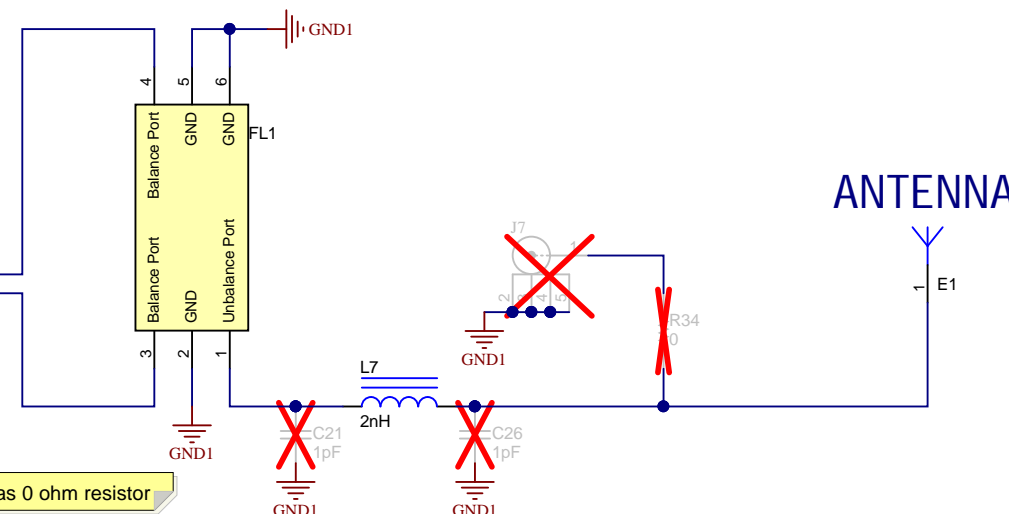
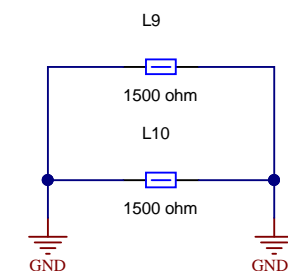


BLE-CC2640R2F


## DC-DC Filter



▲ L7 is mounted as 0 ohm resistor



## ANTENNA

Orderable: <a href="#">N/A</a>	Designed for: <a href="#">Public Release</a>	Mod. Date: 7/26/2018	 <b>TEXAS INSTRUMENTS</b>  <a href="http://www.ti.com">http://www.ti.com</a> © Texas Instruments 2018
TID #: <a href="#">TIDA-010029</a>	Project Title: <a href="#">Wireless HRM &amp; SpO2 Monitor</a>		
Number: <a href="#">TIDA-010029</a>   Rev: <a href="#">E1</a>	Sheet Title: <a href="#">CC2640R2F (MCU + RF)</a>		
SVN Rev: Version control disabled	Assembly Variant: <a href="#">001</a>	Sheet: <a href="#">3</a> of <a href="#">5</a>	
Drawn By: <a href="#">Sanjay Pithadia</a>	File: <a href="#">TIDA-010029-E1-Main-MCU_SchDoc</a>	Size: B	
Engineer: <a href="#">Sanjay Pithadia</a>	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>		

A

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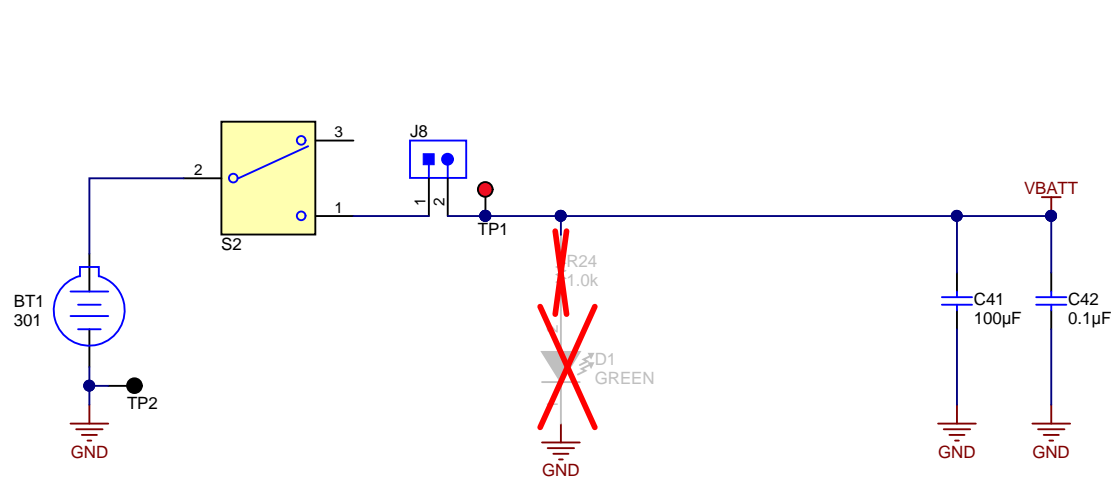
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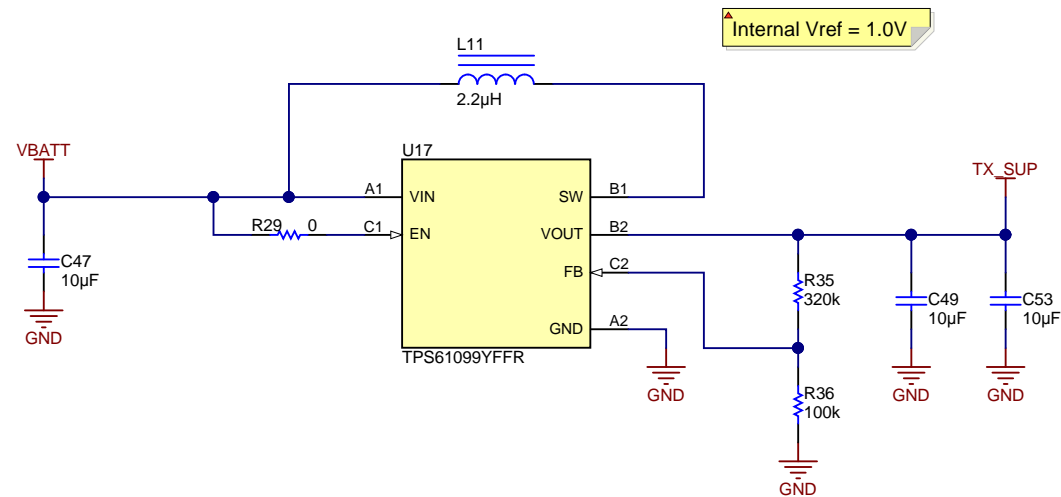
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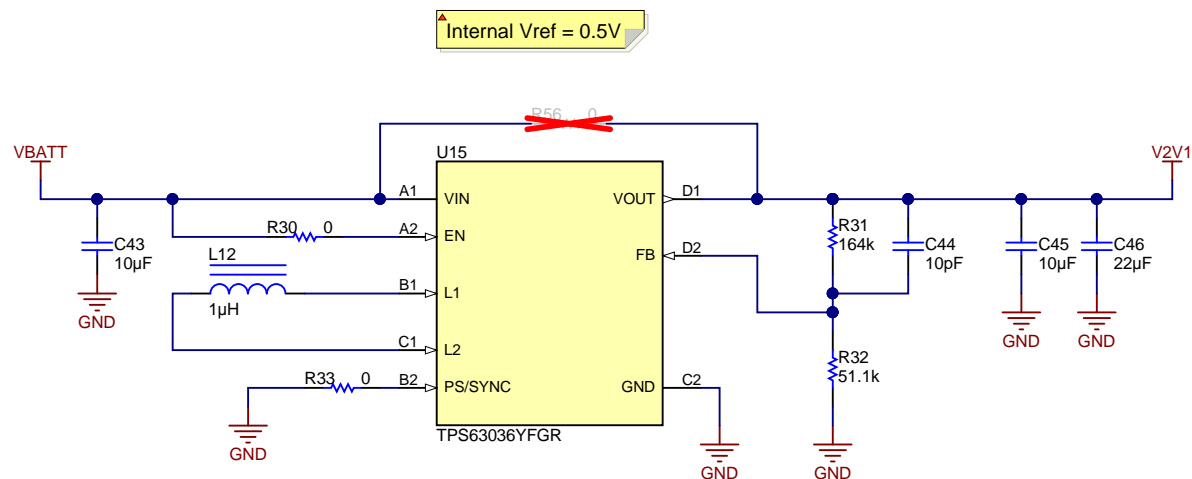
D



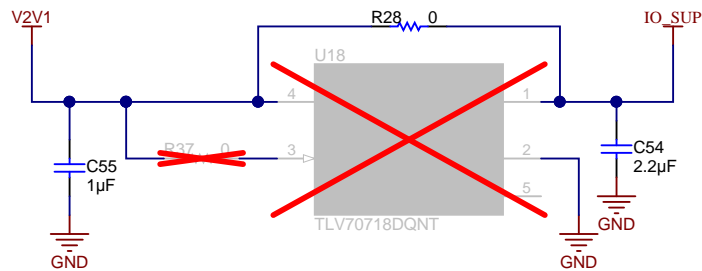
Battery Connector & Reservoir Capacitors



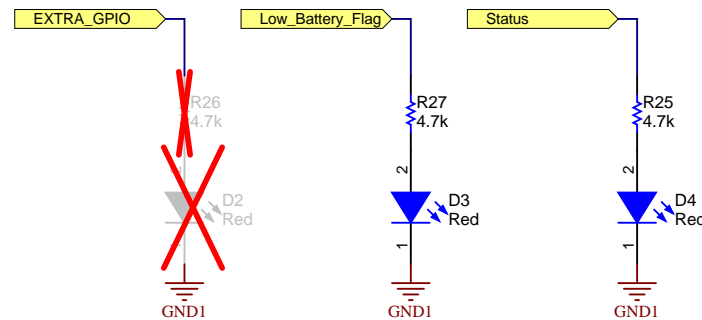
Boost Converter TPS61099 (Vout = 4.2V)



Buck-Boost Converter TPS63036 (Vout = 2.1V)



Regulator (Vout = 1.8V)



LED Indications



PCB Number: TIDA-010029  
PCB Rev: E1

Logo1  
PCB  
LOGO  
WEEE logo

PCB  
LOGO  
FCC disclaimer

PCB  
LOGO  
Logo4

LBL1  
PCB Label  
Size: 0.65" x 0.20 "

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

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

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.