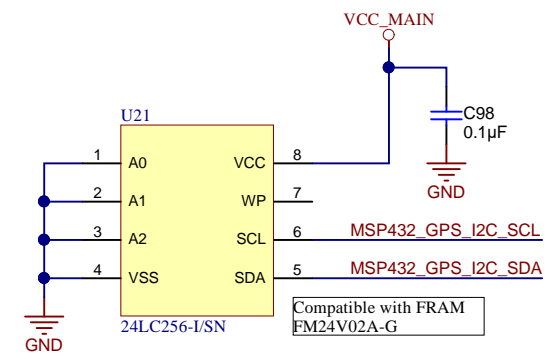
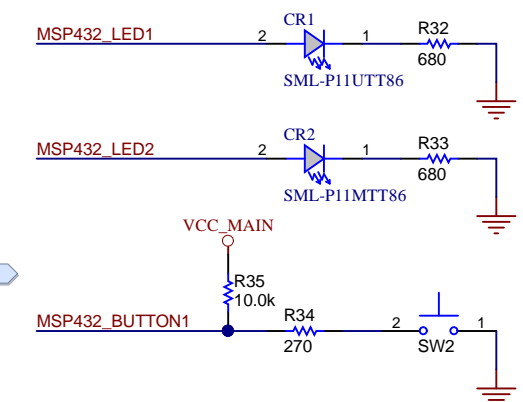
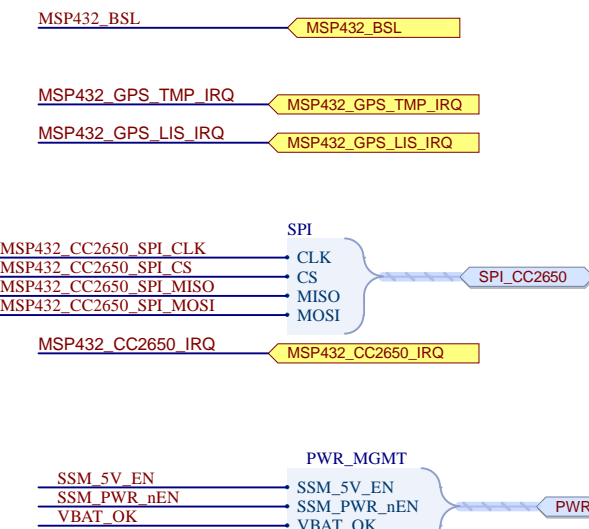
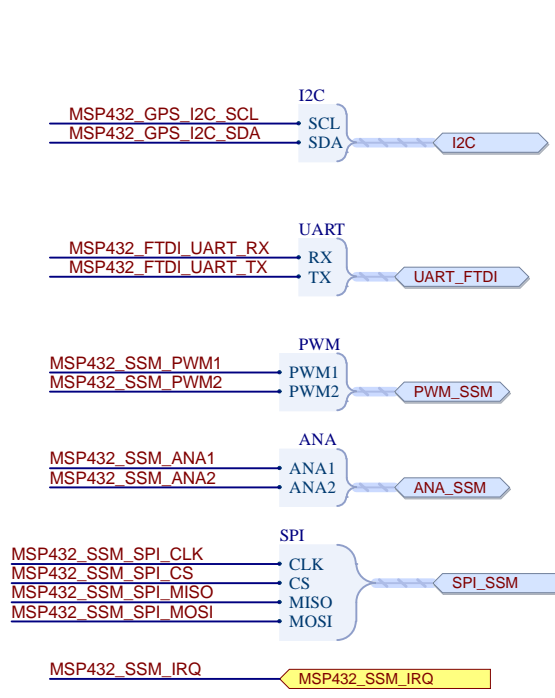
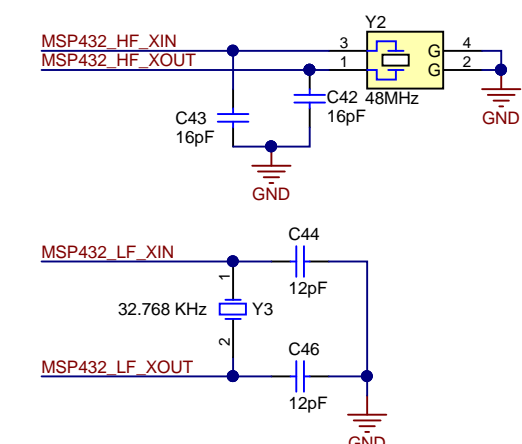
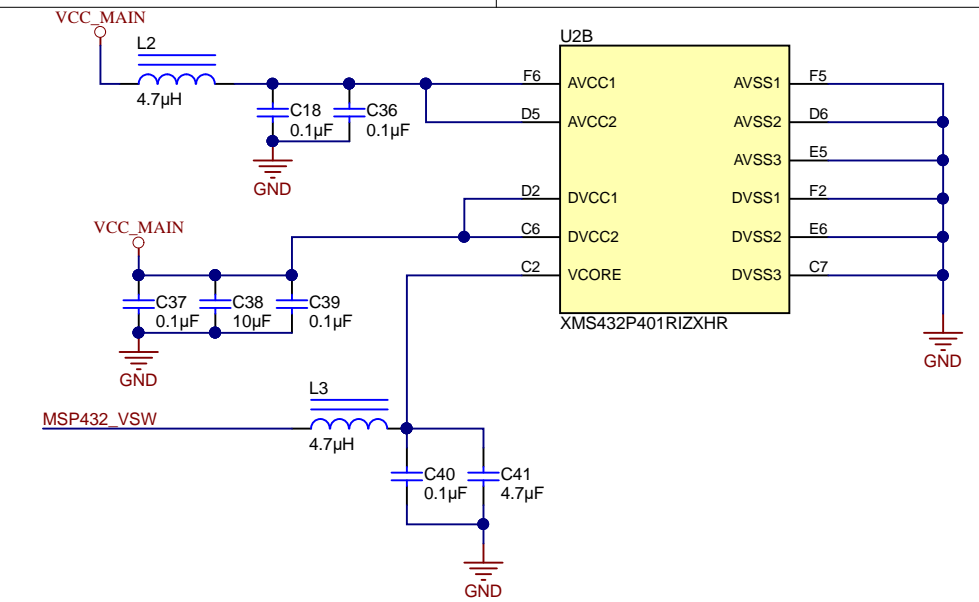
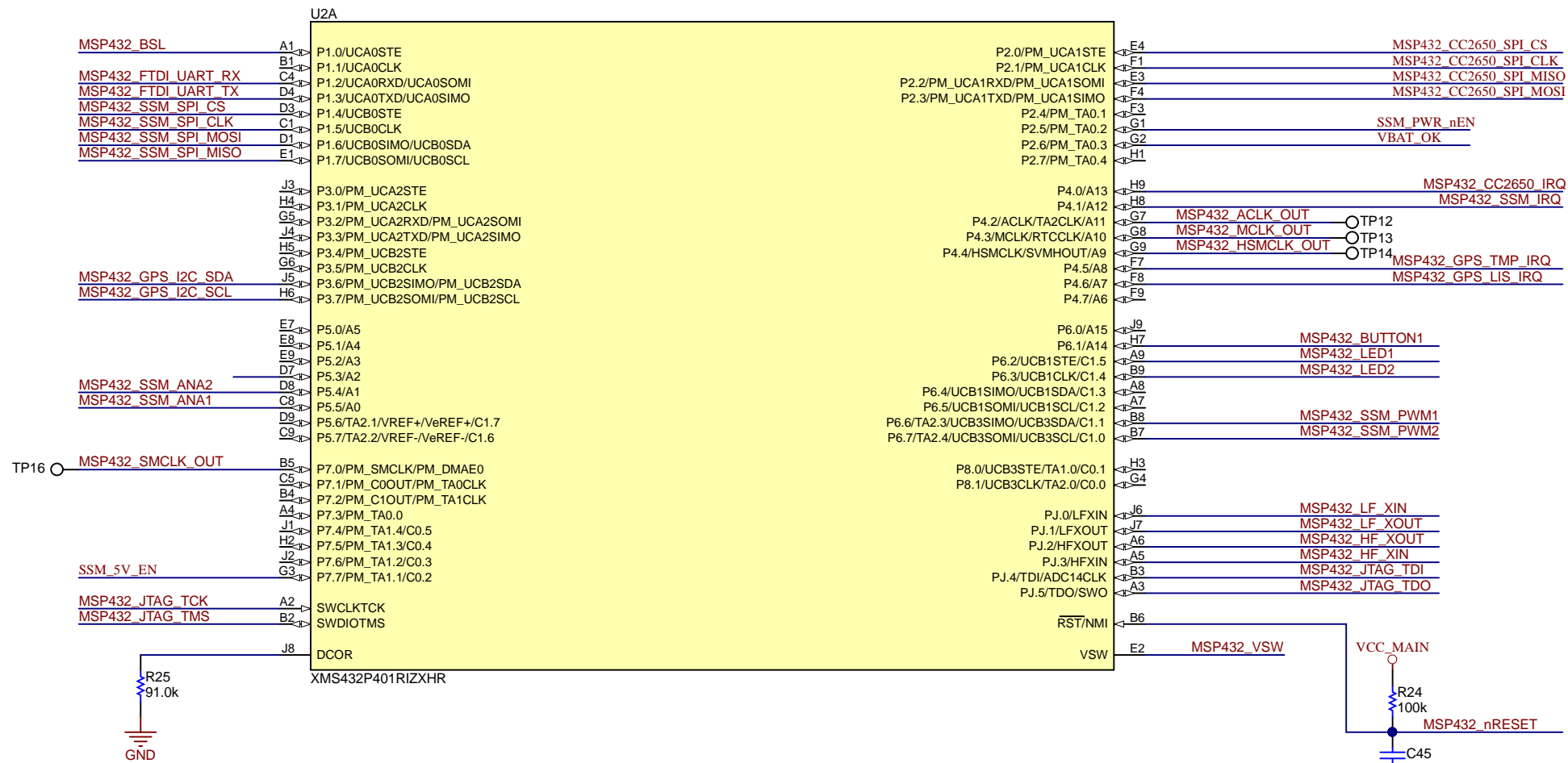


Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular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

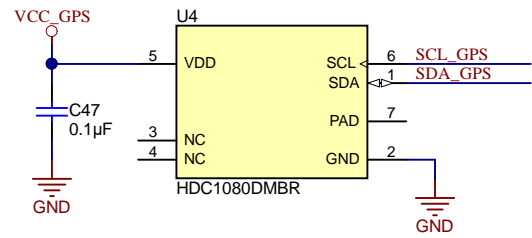
Orderable: EVM_orderable	Designed for: PRJ_Customer	Mod. Date: 13/10/2016
TID #: TID	Project Title: PRJ_Title	
Number: PRJ_Number	Rev: SCH	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: [No Variations]	Sheet: 1 of 9
Drawn By:	File: I3Mote.SchDoc	Size: B
Engineer: PRJ_Engineer	Contact: TechSupport	



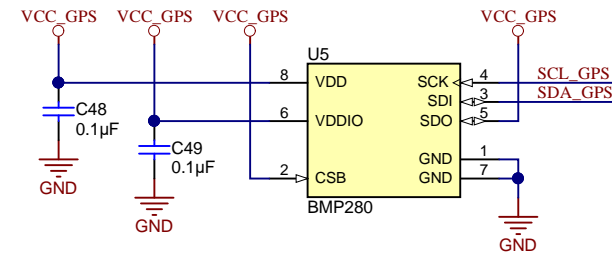
Orderable: EVM_orderable	Designed for: PRJ_Customer	Mod. Date: 06/09/2016
TID #: TID	Project Title: PRJ_Title	
Number: PRJ_Number	Rev: SCH	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: [No Variations]	Sheet: 2 of 9
Drawn By:	File: DataFusion.SchDoc	Size: B
Engineer: PRJ_Engineer	Contact: TechSupport	

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.

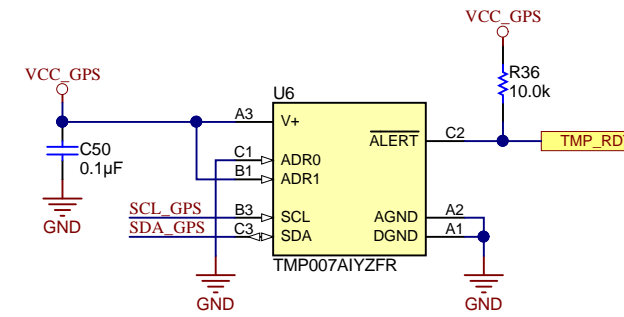
### Humidity



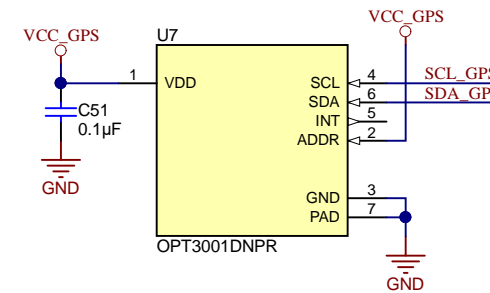
### Pressure Sensor



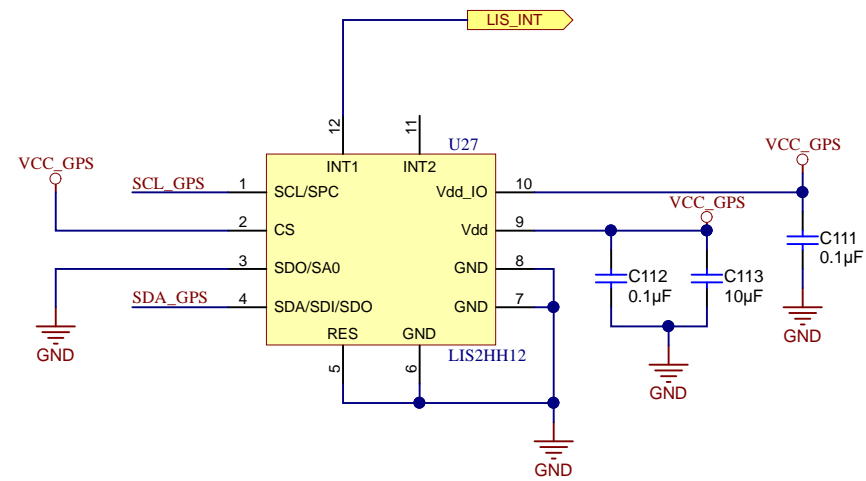
### Infrared Thermopile Sensor



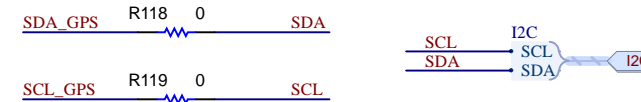
### Light Sensor



### Accelerometer

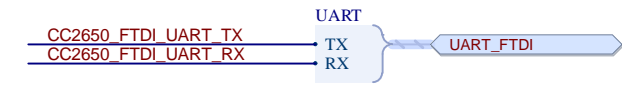
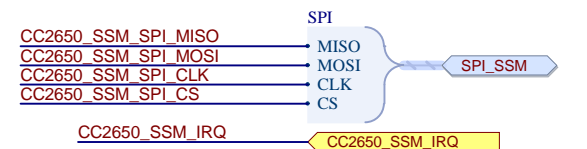
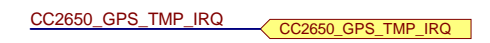
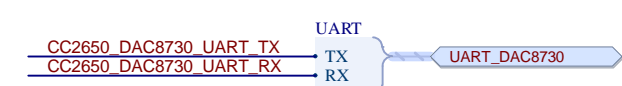
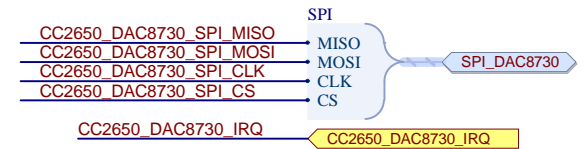
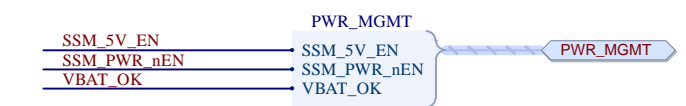
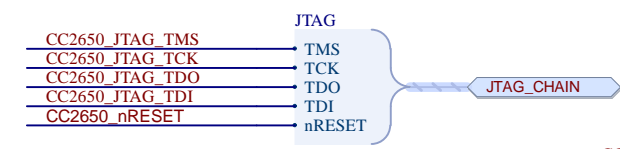
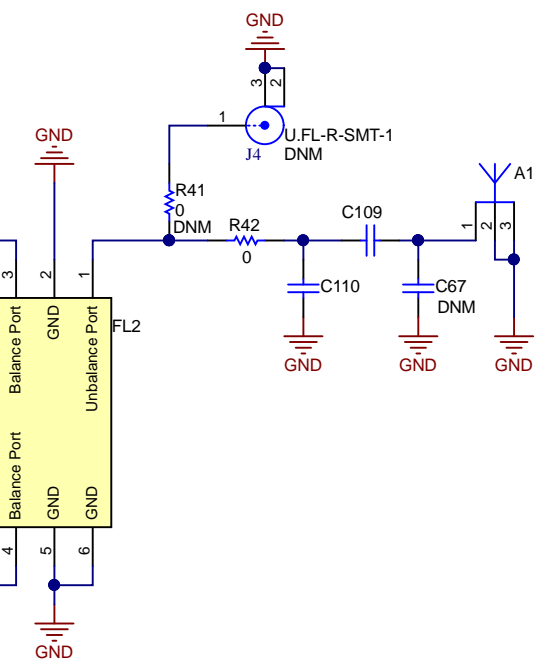
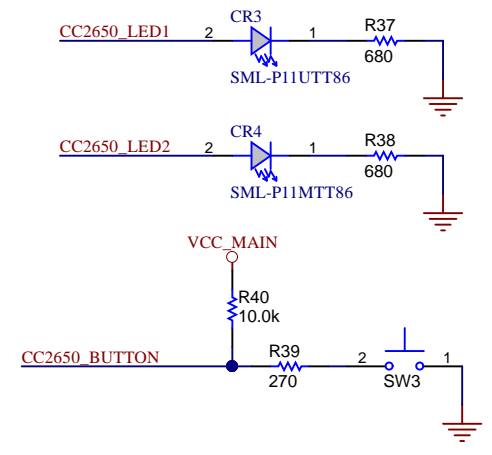
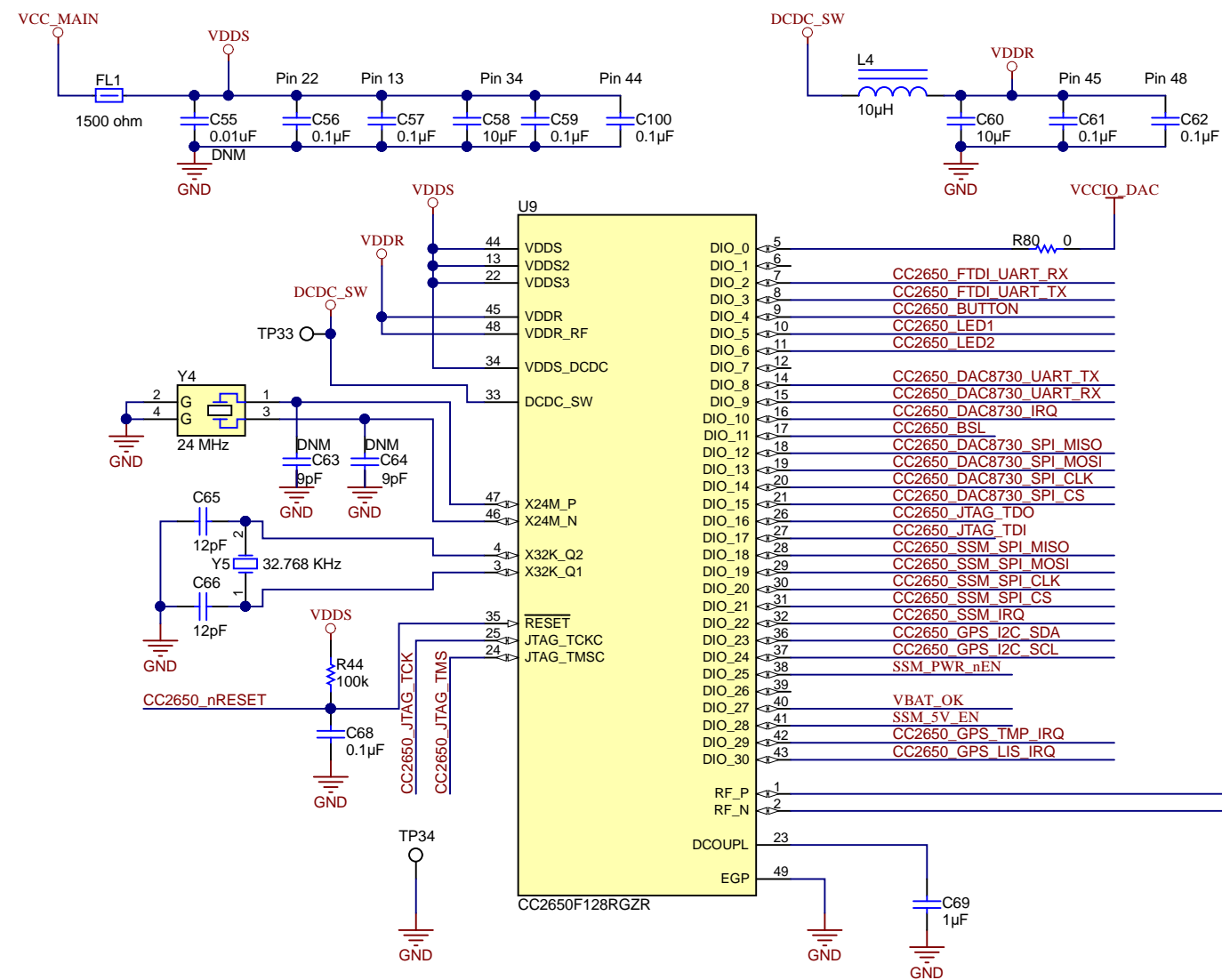


### I2C Isolation



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.

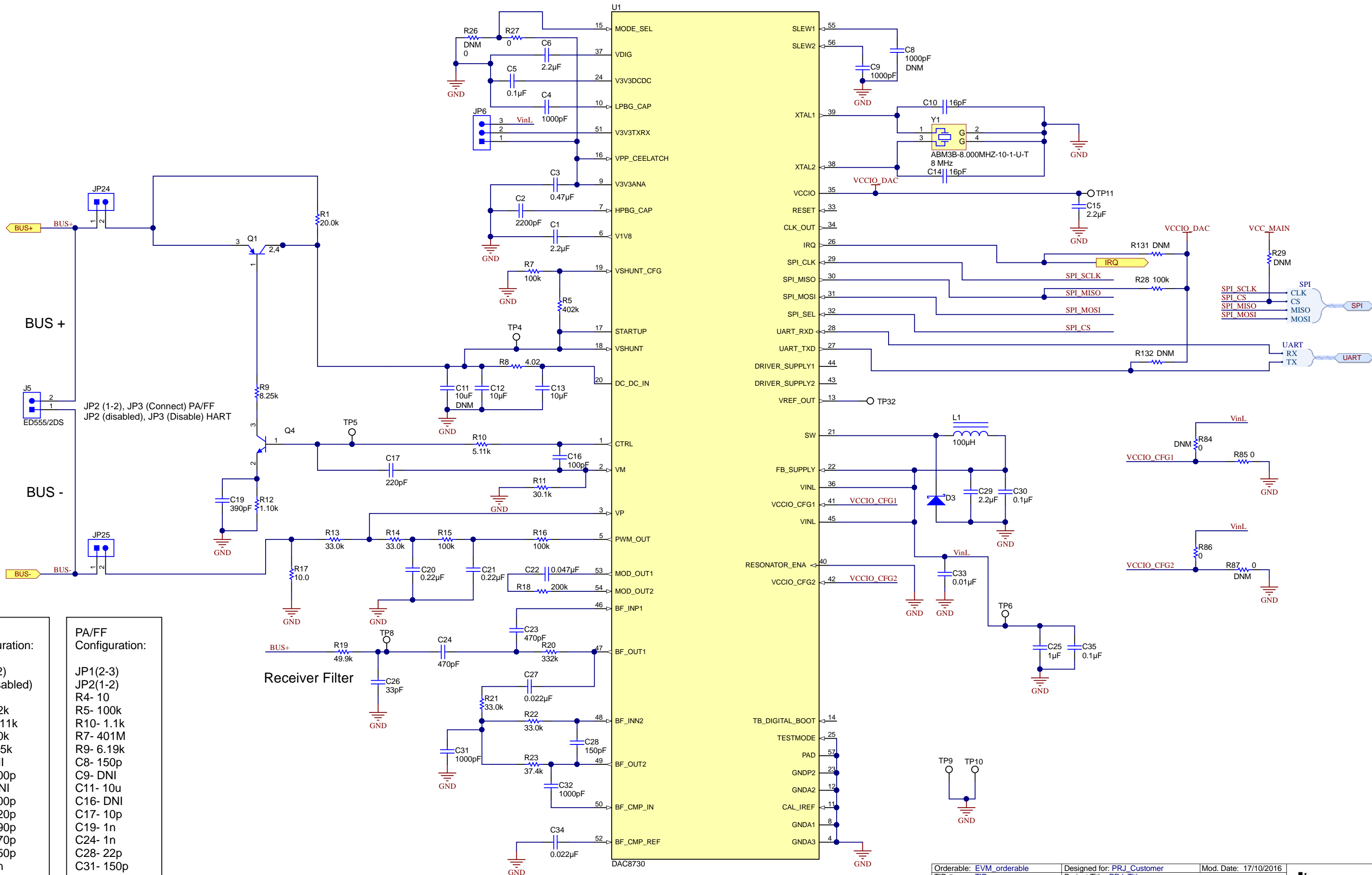
Orderable: EVM_orderable	Designed for: PRJ_Customer	Mod. Date: 06/09/2016
TID #: TID	Project Title: PRJ_Title	
Number: PRJ_Number	Rev: SCH	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: [No Variations]	Sheet: 3 of 9
Drawn By:	File: Sensors.SchDoc	Size: B
Engineer: PRJ_Engineer	Contact: TechSupport	



Orderable: EVM_orderable	Designed for: PRJ_Customer	Mod. Date: 12/12/2016
TID #: TID	Project Title: PRJ_Title	
Number: PRJ_Number	Rev: SCH	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: [No Variations]	Sheet: 4 of 9
Drawn By:	File: WirelessHart.SchDoc	Size: B
Engineer: PRJ_Engineer	Contact: TechSupport	

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.





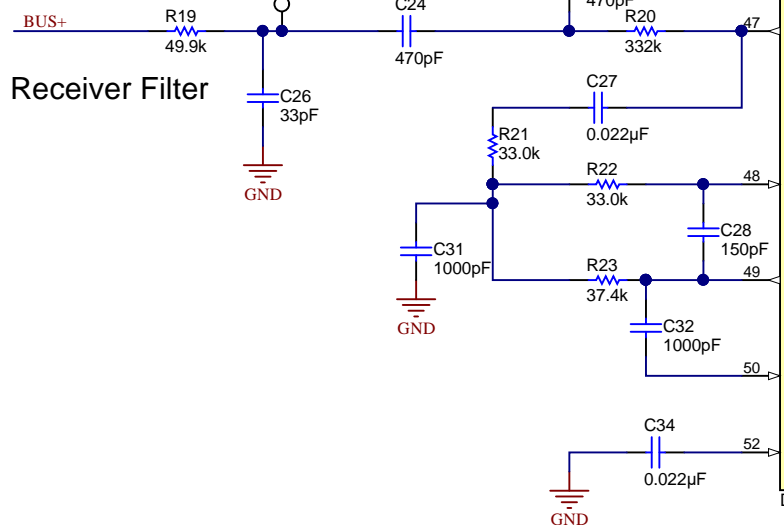
**HART Configuration:**

- JP1(1-2)
- JP2(disabled)
- R4- 0
- R5- 402k
- R7- 100k
- R9- 8.25k
- C8- DNI
- C9- 1000p
- C11- DNI
- C16- 100p
- C17- 220p
- C19- 390p
- C24- 470p
- C28- 150p
- C31- 1n

**PA/FF Configuration:**

- JP1(2-3)
- JP2(1-2)
- R4- 10
- R5- 100k
- R7- 1.1k
- R9- 401M
- R9- 6.19k
- C8- 150p
- C9- DNI
- C11- 10u
- C16- DNI
- C17- 10p
- C19- 1n
- C24- 1n
- C28- 22p
- C31- 150p

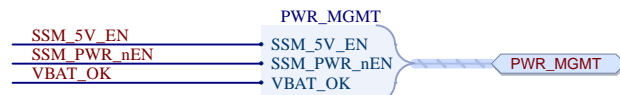
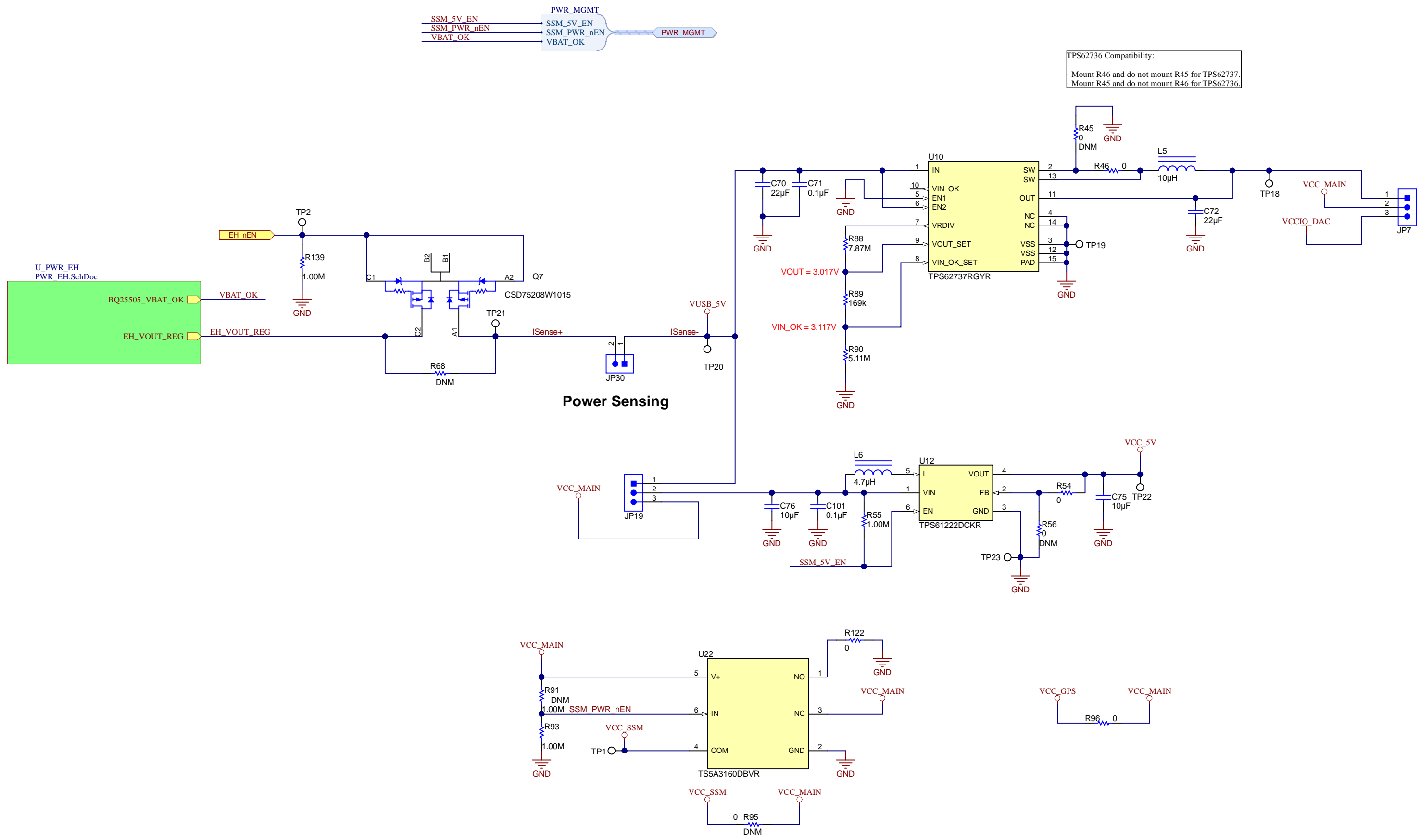
**Receiver Filter**



Orderable: EVM_orderable	Designed for: PRJ_Customer	Mod. Date: 17/10/2016
TID #: TID	Project Title: PRJ_Title	
Number: PRJ_Number	Rev: SCH	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: [No Variations]	Sheet: 5 of 9
Drawn By:	File: Hart.SchDoc	Size: B
Engineer: PRJ_Engineer	Contact: TechSupport	

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.





TPS62736 Compatibility:  
 · Mount R46 and do not mount R45 for TPS62737.  
 · Mount R45 and do not mount R46 for TPS62736.

**Power Sensing**

U\_PWR\_EH  
PWR\_EH.SchDoc

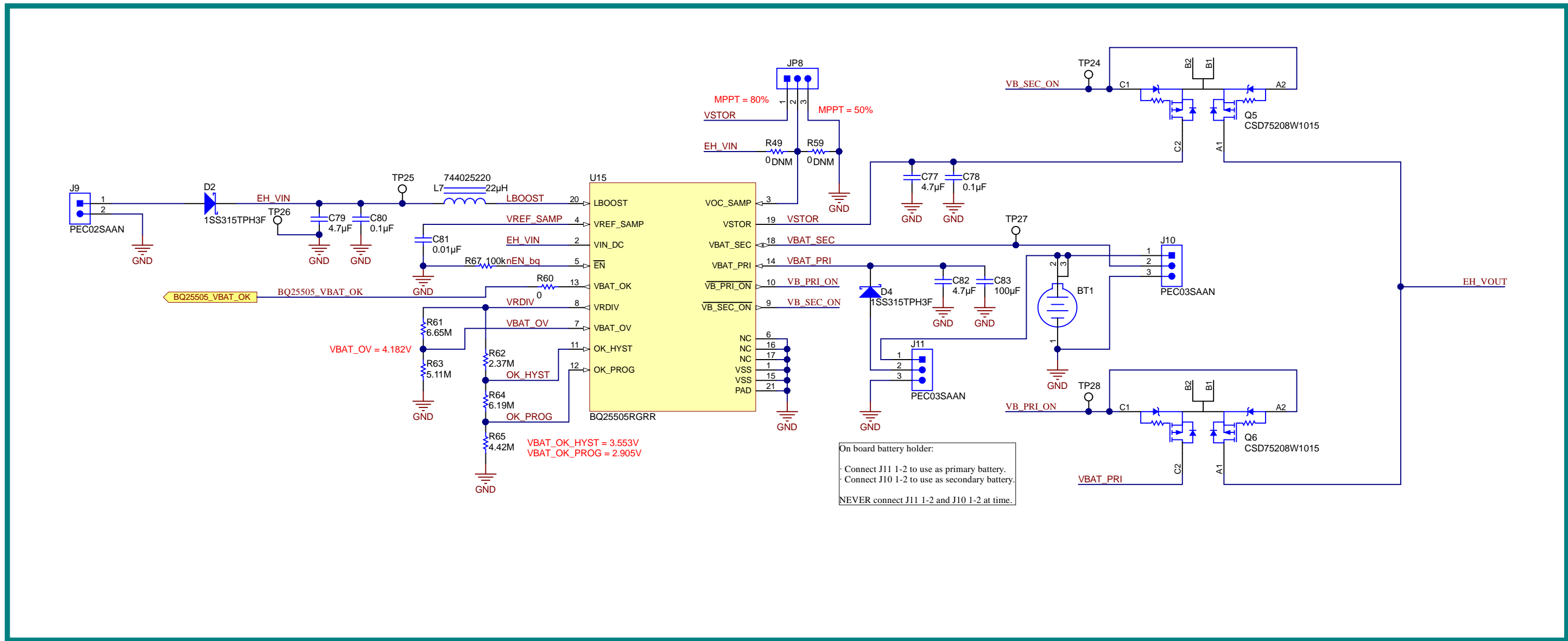
BQ25505\_VBAT\_OK

EH\_VOUT\_REG

Orderable: EVM_orderable	Designed for: PRJ_Customer	Mod. Date: 09/10/2016
TID #: TID	Project Title: PRJ_Title	
Number: PRJ_Number	Rev: SCH	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: [No Variations]	Sheet: 6 of 9
Drawn By:	File: PowerManagement.SchDoc	Size: B
Engineer: PRJ_Engineer	Contact: TechSupport	

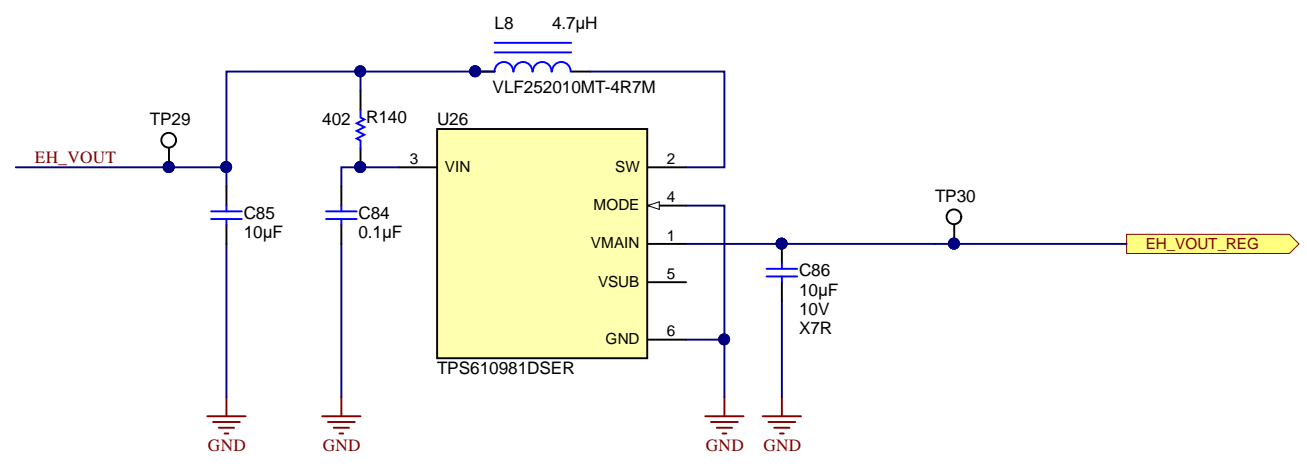
Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular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





On board battery holder:  
 · Connect J11 1-2 to use as primary battery.  
 · Connect J10 1-2 to use as secondary battery.  
 NEVER connect J11 1-2 and J10 1-2 at time.

**Boost DC-DC to 3.3V / By-pass**

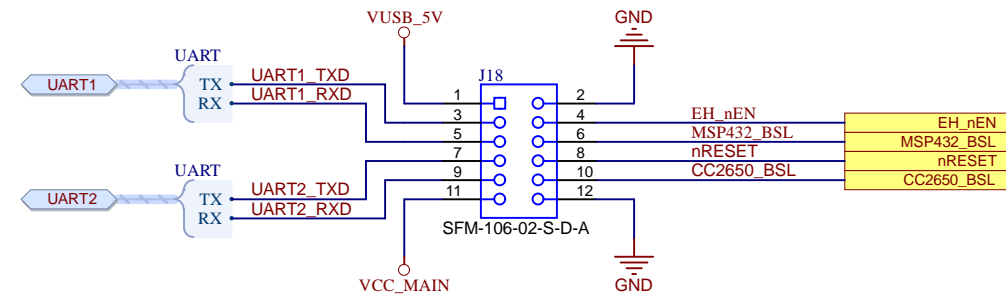


Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular 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: EVM_orderable	Designed for: PRJ_Customer	Mod. Date: 06/09/2016
TID #: TID	Project Title: PRJ_Title	
Number: PRJ_Number	Rev: SCH	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: [No Variations]	Sheet: 7 of 9
Drawn By:	File: PWR_EH.SchDoc	Size: B
Engineer: PRJ_Engineer	Contact: TechSupport	



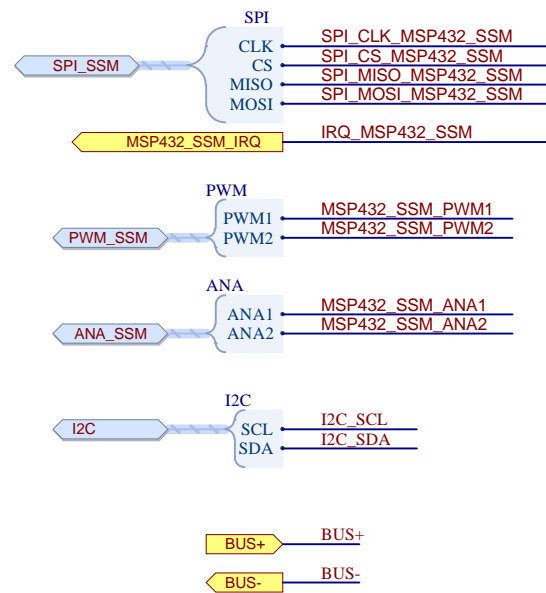
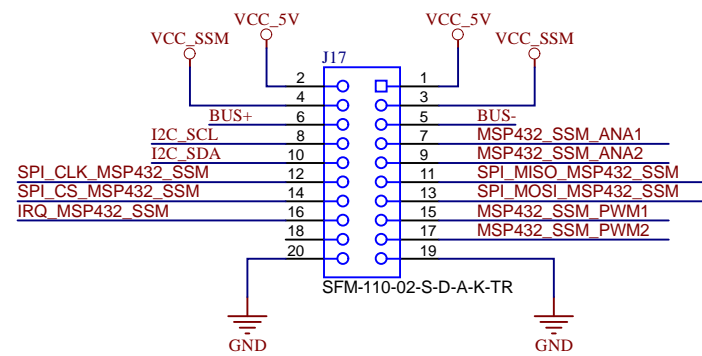
## Debug Board



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.

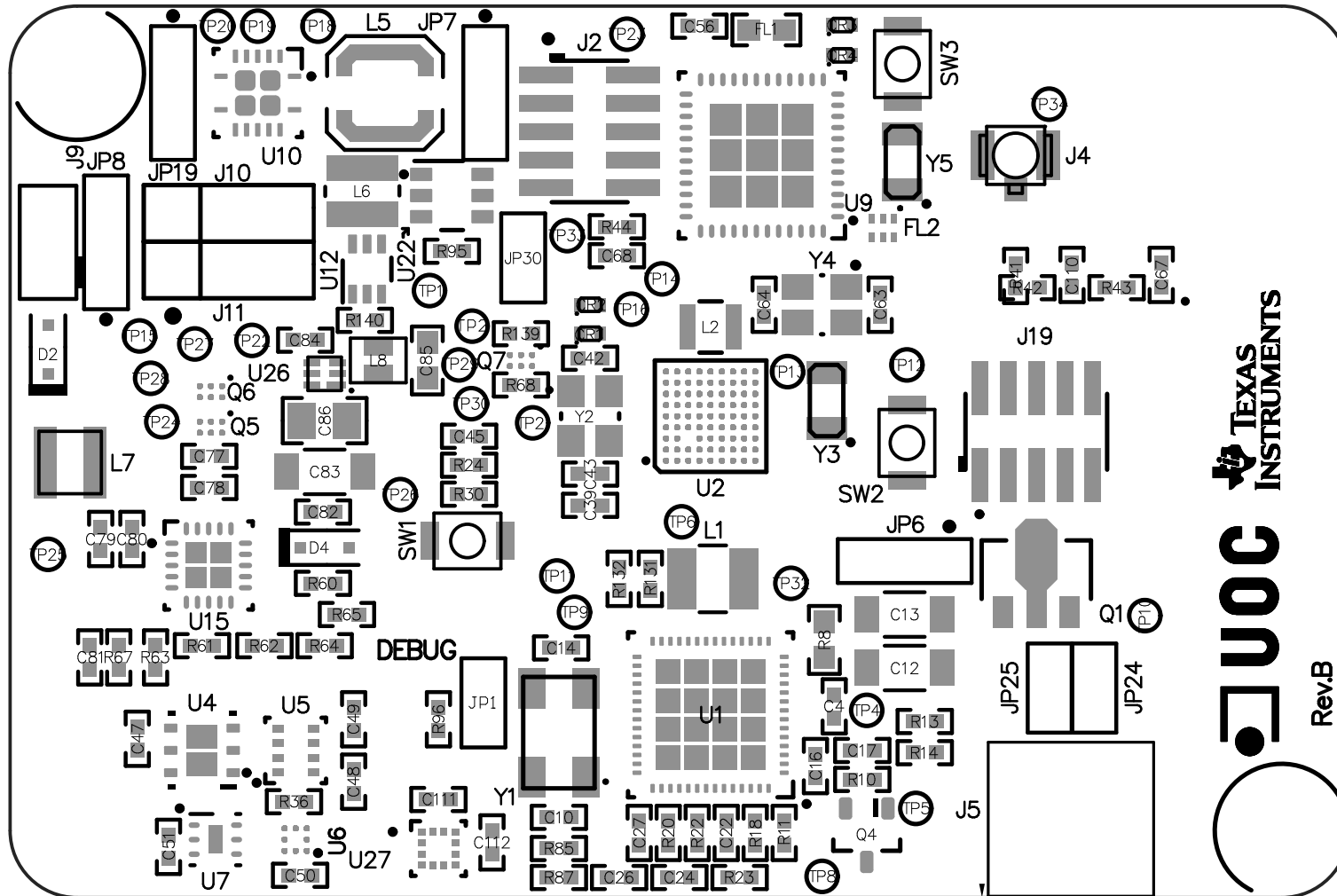
Orderable: <a href="#">EVM_orderable</a>	Designed for: <a href="#">PRJ_Customer</a>	Mod. Date: 06/09/2016
TID #: <a href="#">TID</a>	Project Title: <a href="#">PRJ_Title</a>	
Number: <a href="#">PRJ_Number</a>	Rev: <a href="#">SCH</a>	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: <a href="#">[No Variations]</a>	Sheet: 8 of 9
Drawn By:	File: <a href="#">DEBUG_USB.SchDoc</a>	Size: B
Engineer: <a href="#">PRJ_Engineer</a>	Contact: <a href="#">TechSupport</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: <a href="#">EVM_orderable</a>	Designed for: <a href="#">PRJ_Customer</a>	Mod. Date: 06/09/2016
TID #: <a href="#">TID</a>	Project Title: <a href="#">PRJ_Title</a>	
Number: <a href="#">PRJ_Number</a>	Rev: <a href="#">SCH</a>	Sheet Title:
SVN Rev: <a href="#">Version control disabled</a>	Assembly Variant: <a href="#">[No Variations]</a>	Sheet: <a href="#">9</a> of <a href="#">9</a>
Drawn By:	File: <a href="#">SmartSensorIF.SchDoc</a>	Size: <a href="#">B</a>
Engineer: <a href="#">PRJ_Engineer</a>	Contact: <a href="#">TechSupport</a>	



TEXAS  
INSTRUMENTS

UOC

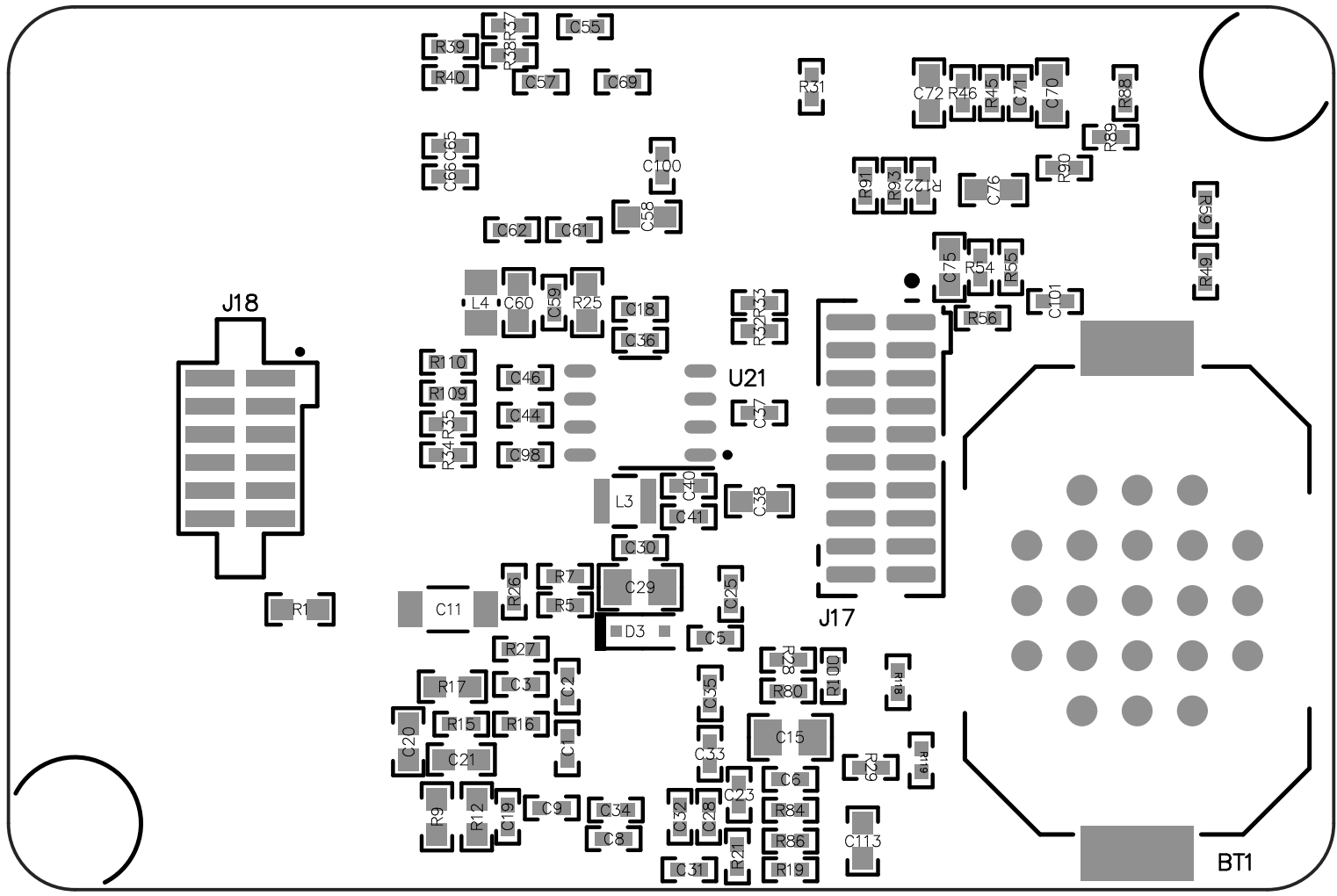
Rev.B

07/OCT/2016

GTPS  
GTSK

UOC  
I3Mote Tiny Rev.B

06  
Cu LYS



I3Mote Tiny Rev.B  
 Cu Lys 0R  
 07\OCT\2019  
 GBK2 GBK