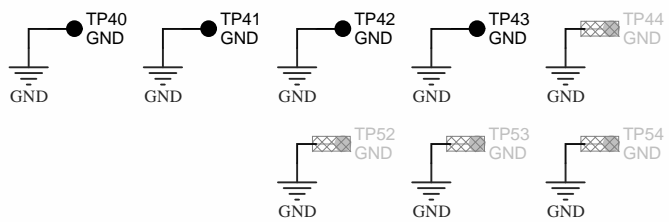
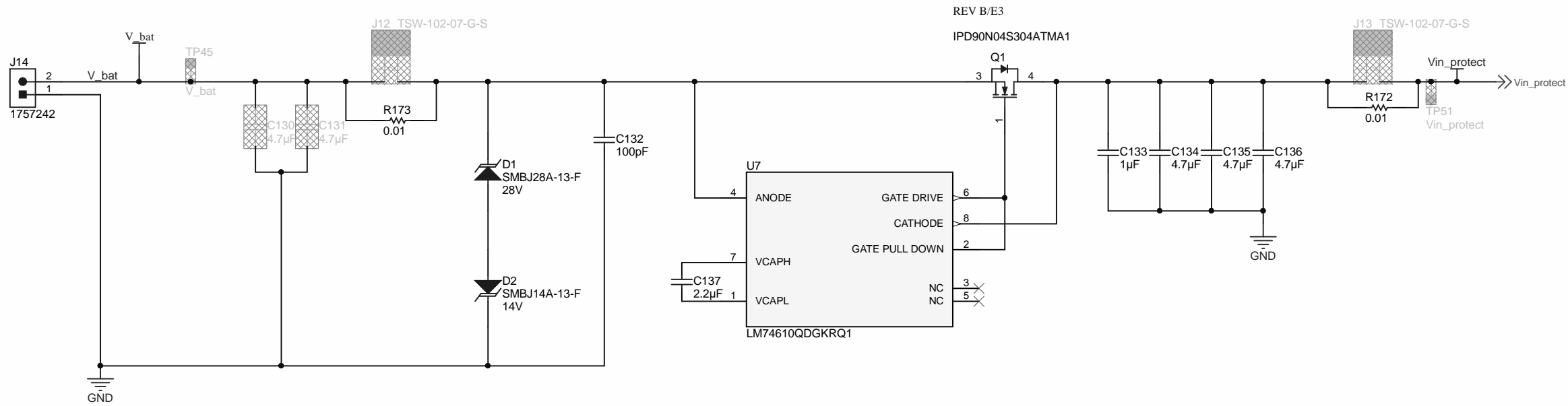


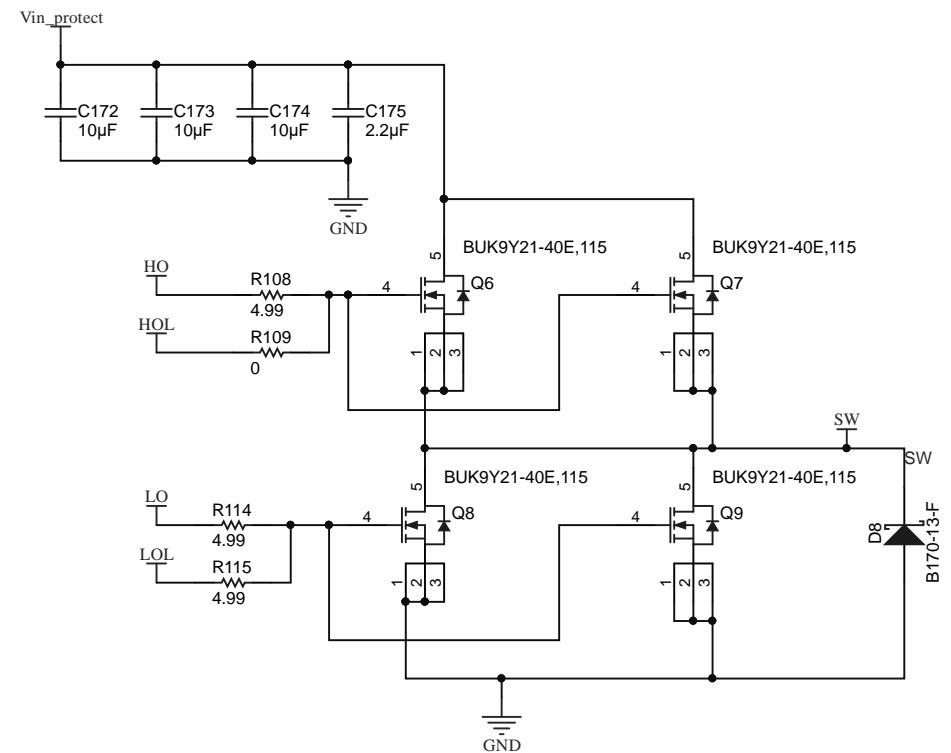
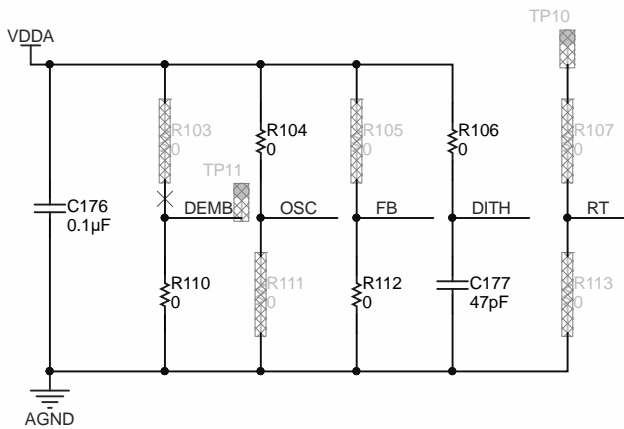
A	1	2	3	4	5					6			
	Revision History												
	Rev	ECN #	Approved Date	Approved by	Notes								
	B/E3	N/A	01/05/2018	JAC	N/A								
	C/E4	N/A	12/20/2018	JAC	N/A								
B	<div>DEFAULT SWITCH/JUMPER SETTINGS</div> <div>S3 1..4] ON,ON,ON,OFF (MSP430 IN RESET, TDA2XP I2C MASTER)</div> <div>S4 [1..4] ON,OFF,OFF,ON(CSI-COAX)</div> <div>S5[ 1..4] ON,OFF,OFF,ON(CSI-COAX)</div> <div>J22 1-2 12V CAMERA</div> <div>J27 1-2 12V RADAR</div> <div>J40 POWER INPUT FROM TDA2XP EVM</div>												
C													
D	<div>Orderable: EVM_orderable</div> <div>TID #: N/A</div> <div>Number: 518520C</div> <div>SVN Rev: Not in version control</div> <div>Drawn By:</div> <div>Engineer: Spectrum Digital</div>										<div>Designed for: Public Release</div> <div>Project Title: ADAS Sensor Fusion Board</div> <div>Sheet Title:</div> <div>Assembly Variant: Populated_variant</div> <div>File: ADAS_SF_rev1_CoverSheet.SchDoc</div> <div>Contact: http://www.ti.com/support</div>	<div>Mod. Date: 12/20/2018</div> <div>Rev: E4</div> <div>Sheet: 1 of 15</div> <div>Size: B</div>	<div>TEXAS INSTRUMENTS</div> <div>http://www.ti.com</div> <div>© Texas Instruments 2018</div>
1	2	3	4	5	6								

Car Battery Input  
Vin = 4V - 60V

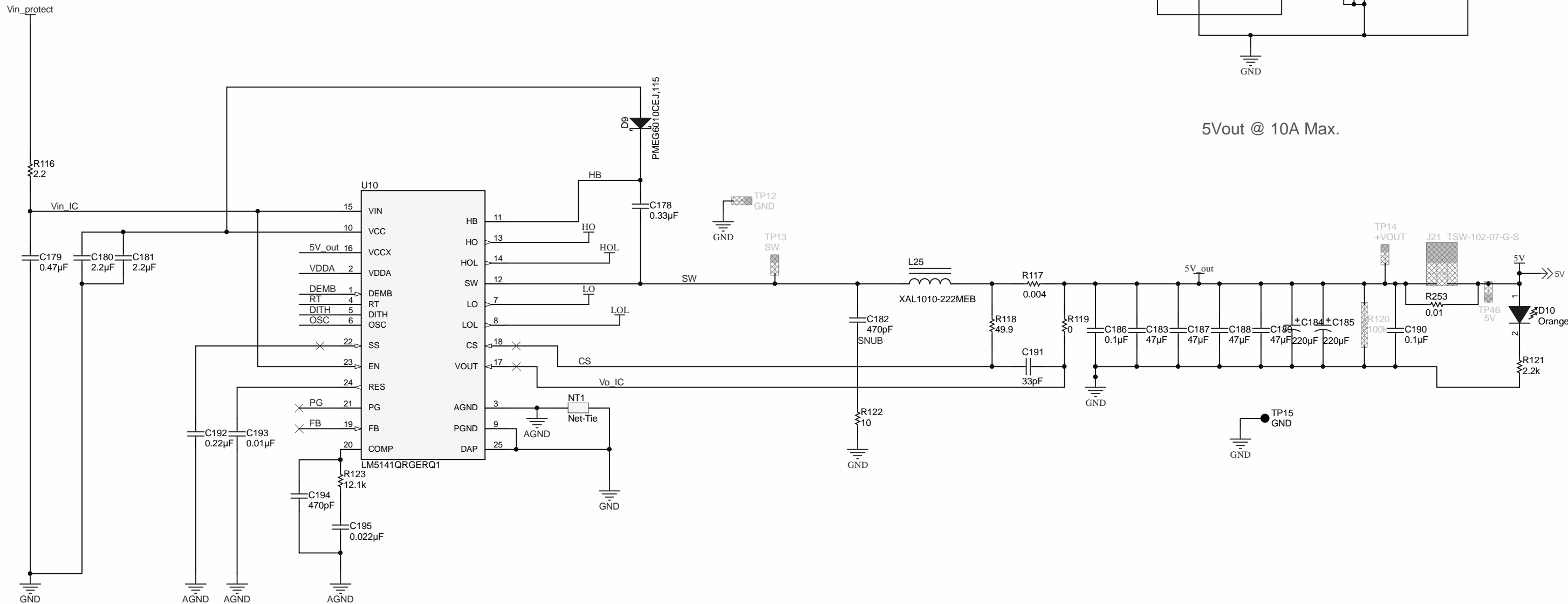


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Orderable: EVM_orderable		Designed for: Public Release		Mod. Date: 6/15/2017	
TID #: N/A		Project Title: ADAS Sensor Fusion Board			
Number: 518520C		Rev: E4		Sheet Title:	
SVN Rev: Not in version control		Assembly Variant: Populated_variant			Sheet: 2 of 15
Drawn By:		File: ADAS_SF_Power_Battery_Input.SchDoc			Size: B
Engineer: Spectrum Digital		Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>			




5Vout @ 10A Max.



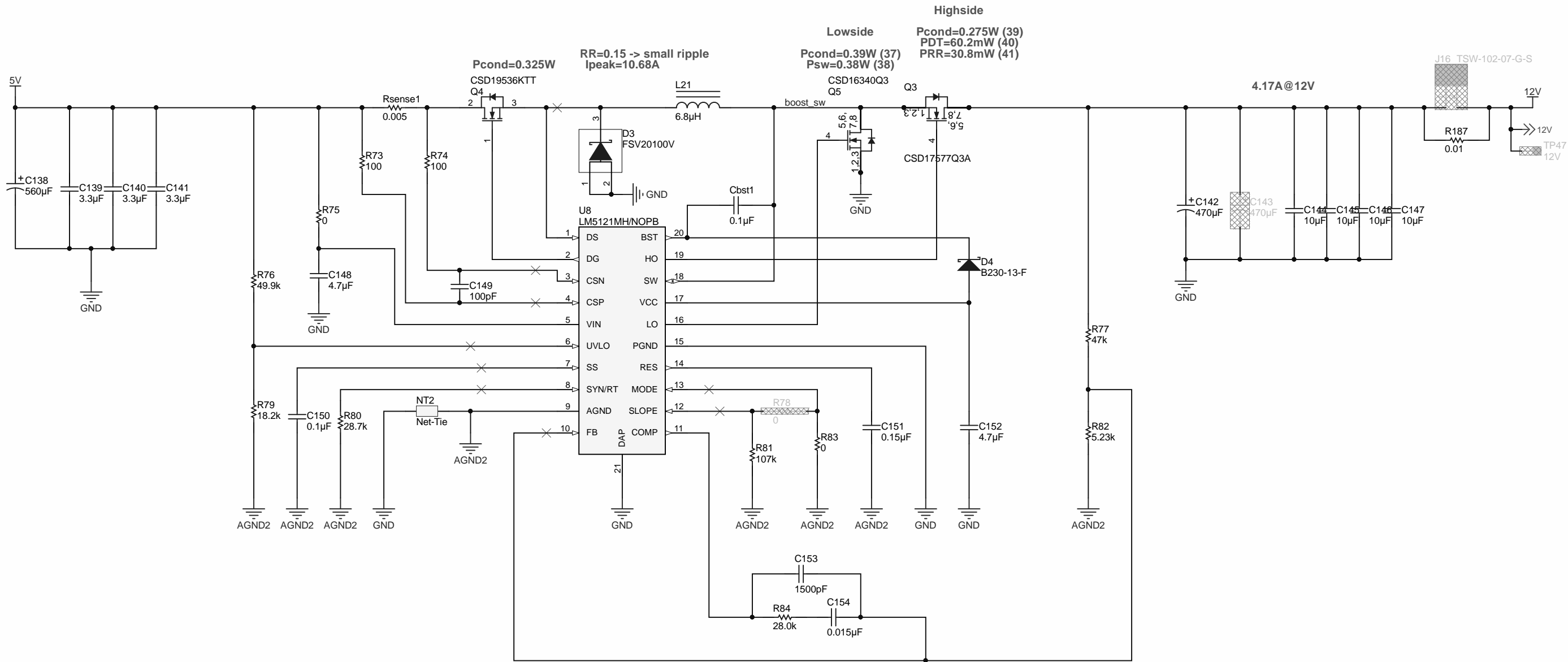
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Orderable: EVM_orderable	Designed for: Public Release	Mod. Date: 8/25/2017
TID #: N/A	Project Title: ADAS Sensor Fusion Board	
Number: 518520C	Rev: E4	Sheet Title:
SVN Rev: Not in version control	Assembly Variant: Populated_variant	Sheet: 3 of 15
Drawn By:	File: ADAS_SF_Power_Buck_5V.SchDoc	Size: B
Engineer: Spectrum Digital	Contact: http://www.ti.com/support	



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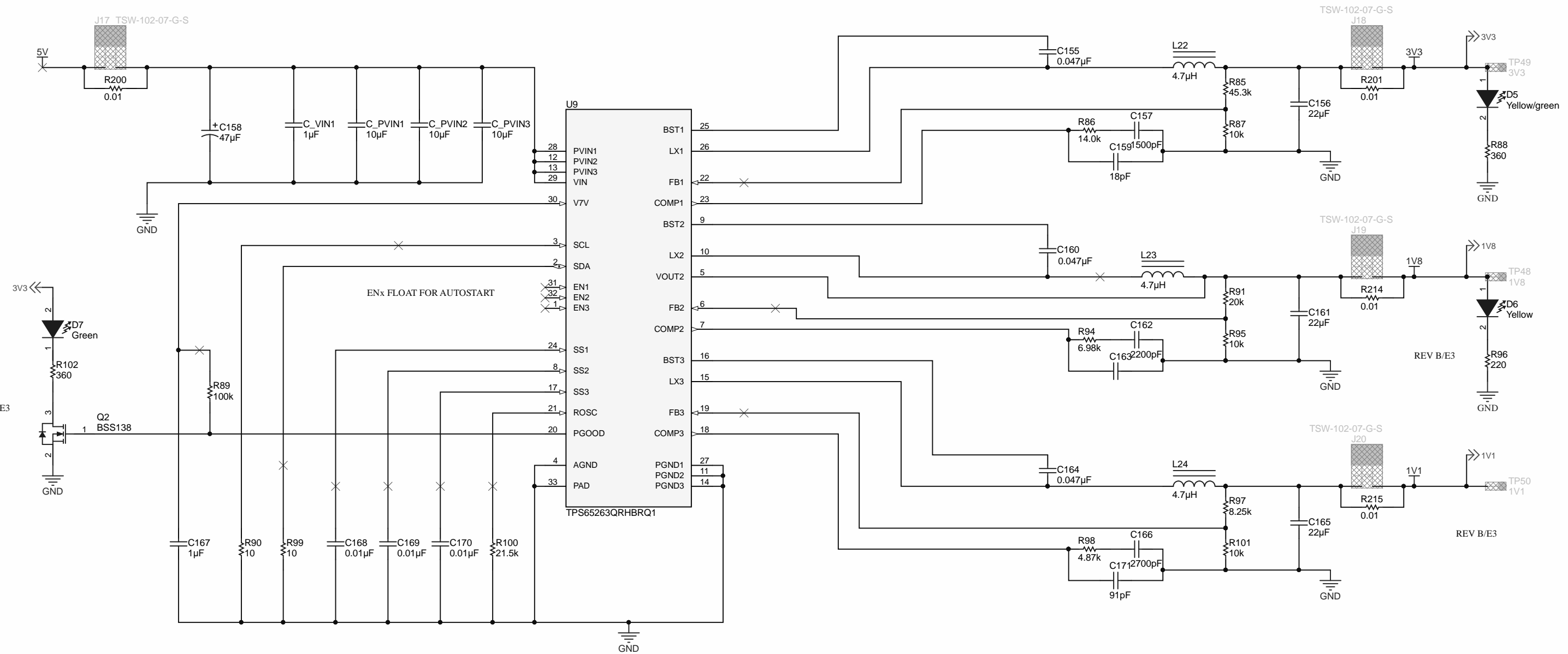


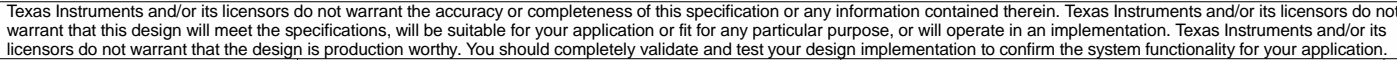
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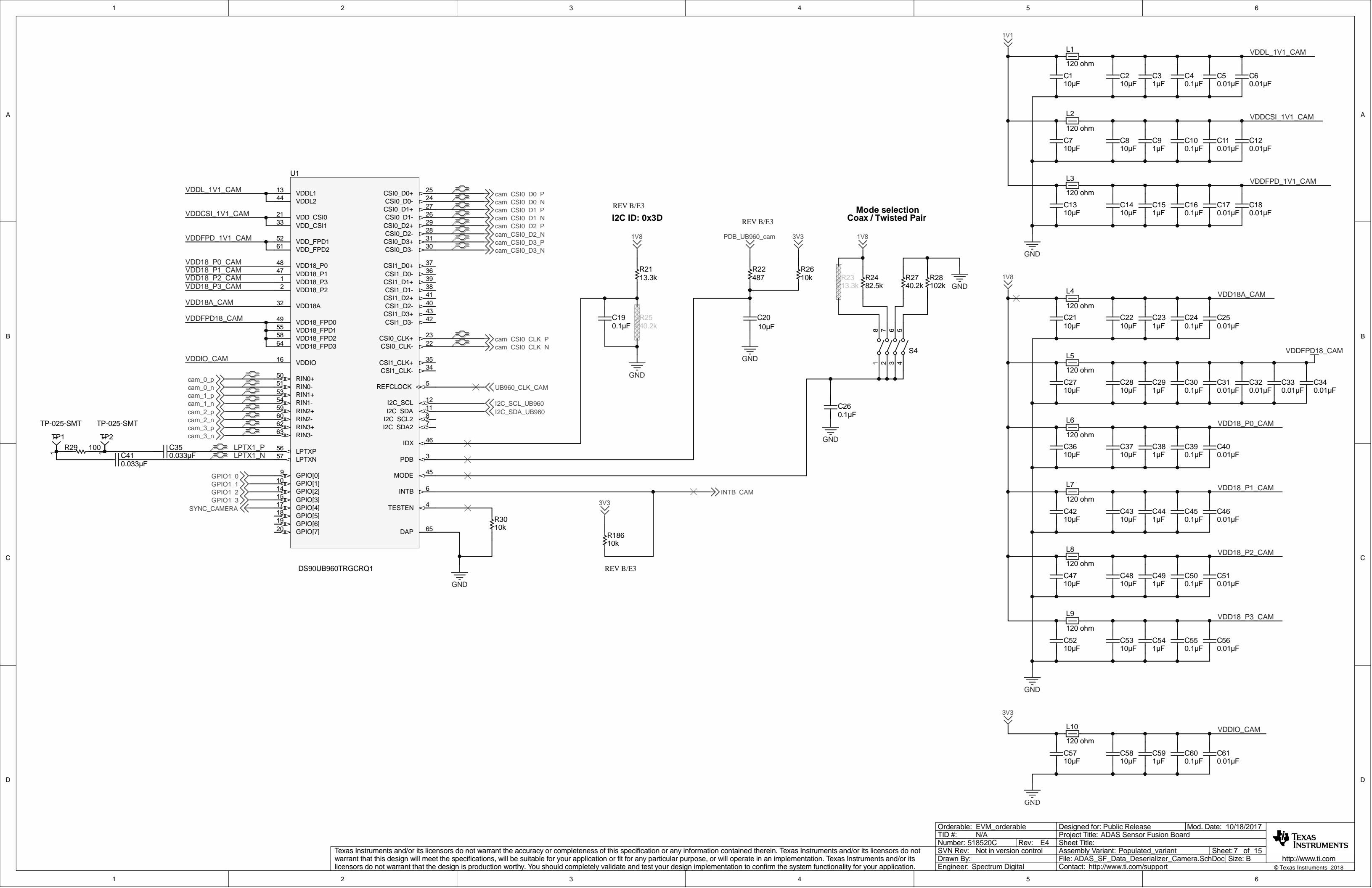
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TID #: N/A	Project Title: ADAS Sensor Fusion Board	
Number: 518520C	Rev: E4	Sheet Title:
SVN Rev: Not in version control	Assembly Variant: Populated_variant	Sheet: 4 of 15
Drawn By:	File: ADAS_SF_Power_Boost_12V.SchDoc	Size: B
Engineer: Spectrum Digital	Contact: http://www.ti.com/support	



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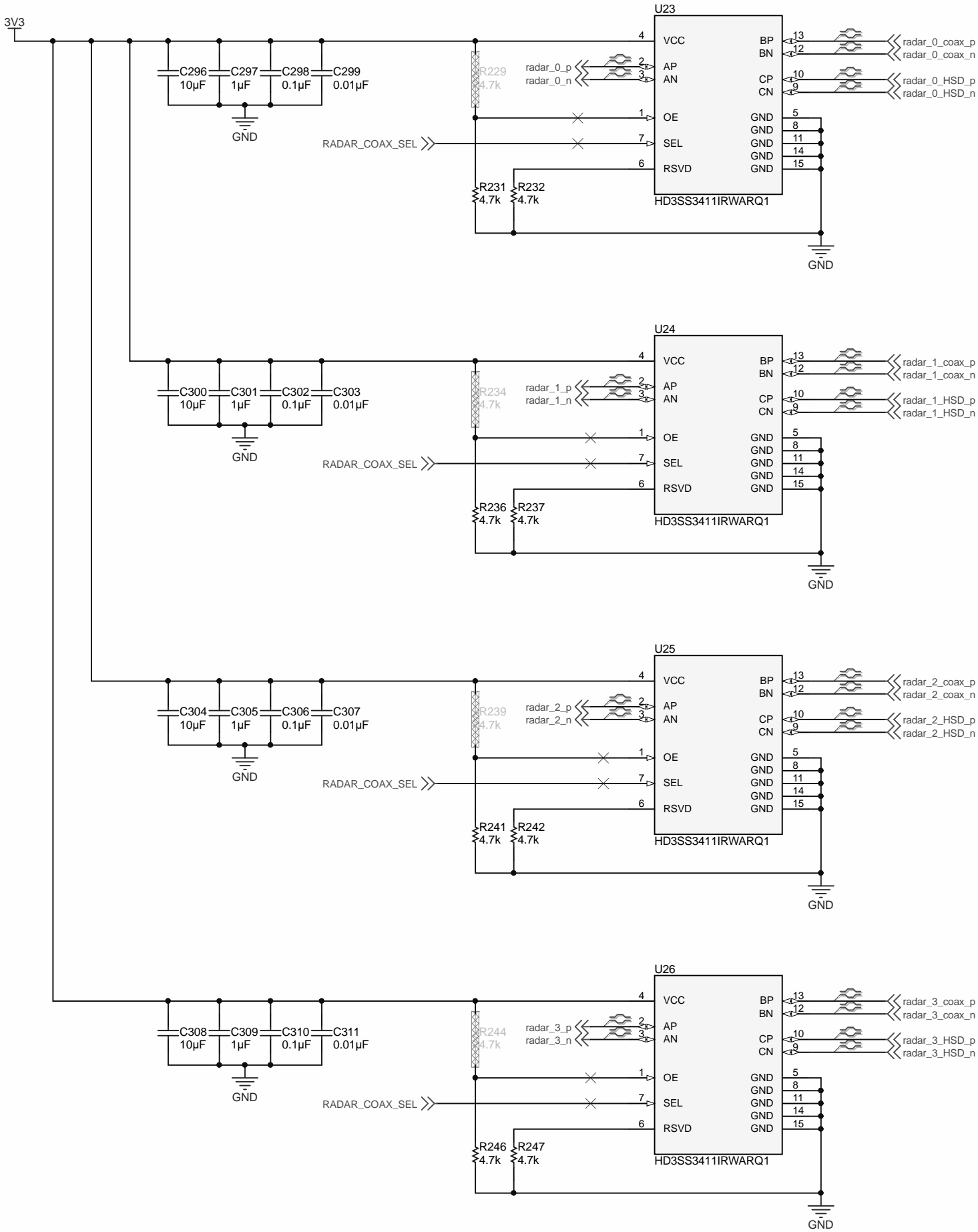












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Orderable: EVM_orderable		Designed for: Public Release		Mod. Date: 6/15/2017	
TID #: N/A		Project Title: ADAS Sensor Fusion Board			
Number: 518520C		Rev: E4		Sheet Title:	
SVN Rev: Not in version control		Assembly Variant: Populated_variant		Sheet: 9 of 15	
Drawn By:		File: ADAS_SF_Data_Radar_Mux.SchDoc		Size: B	
Engineer: Spectrum Digital		Contact: http://www.ti.com/support		http://www.ti.com	
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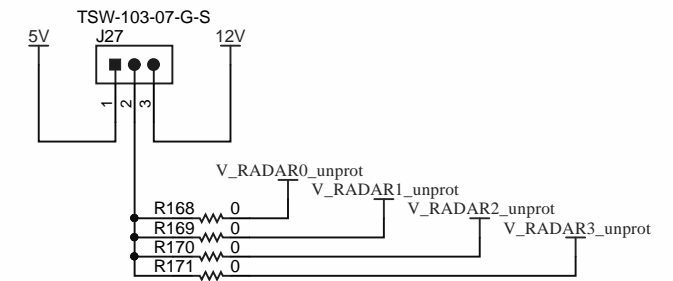
$$I_{lim} = 89/R_{lim}(kohm)$$

88.7k for ~1Amp

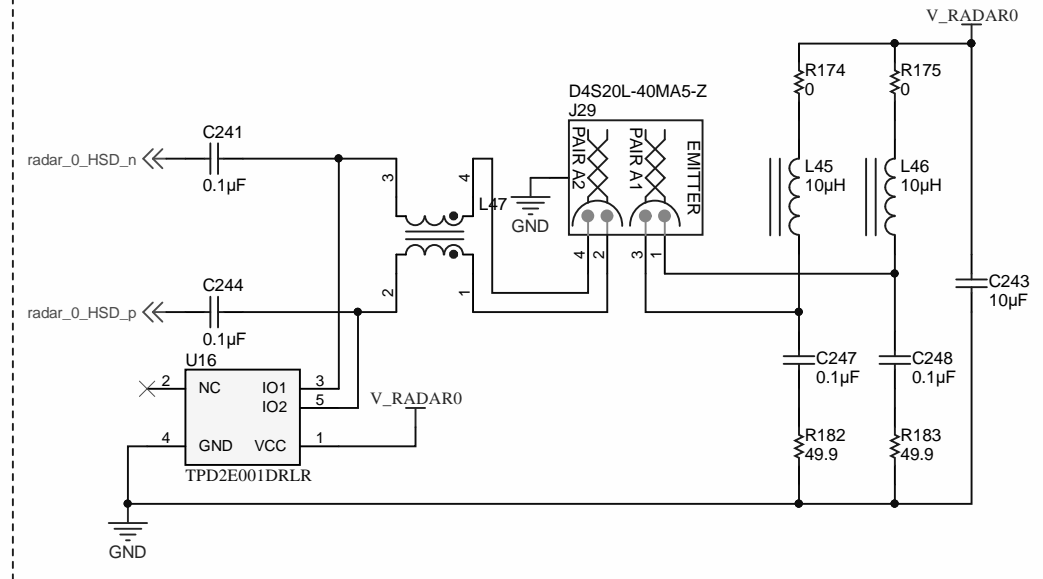
139k for .64Amp

1500pf for inrush

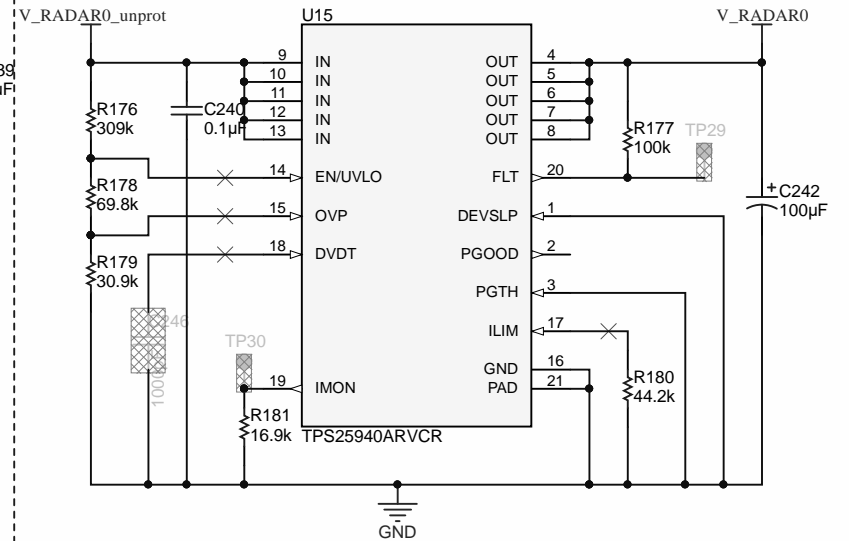
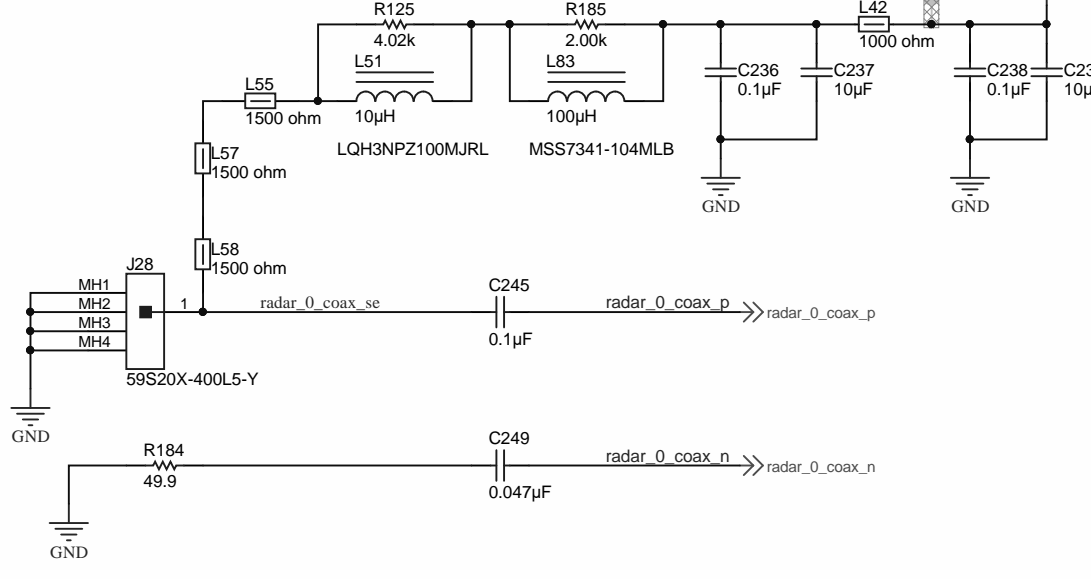
## Power Selection



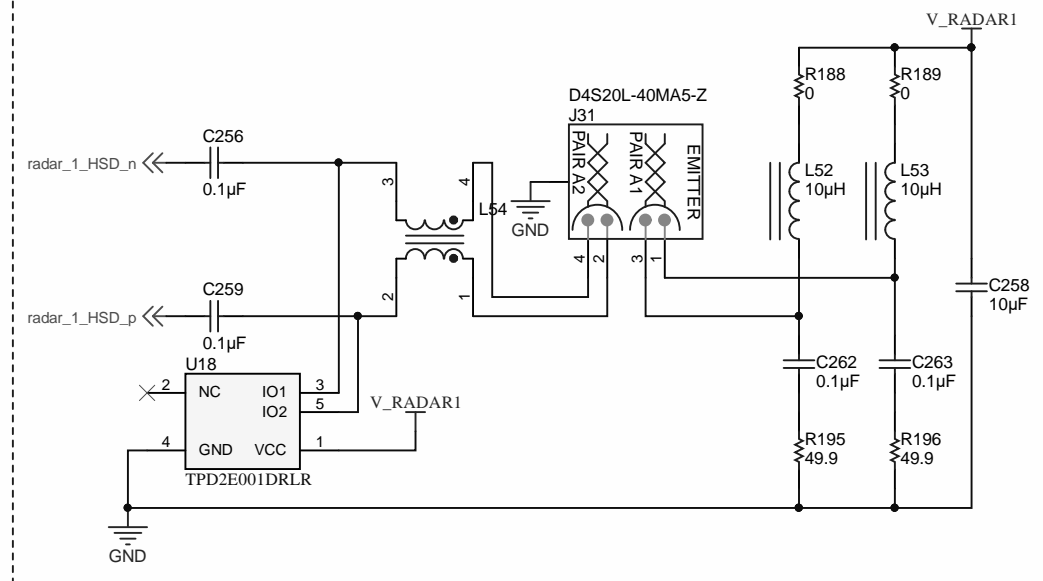
Radar 0 - mount option 1: HSD



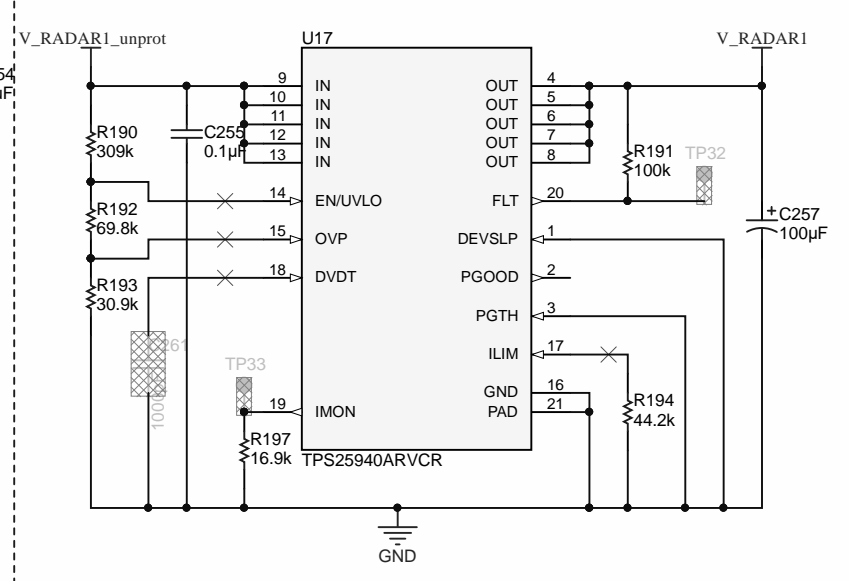
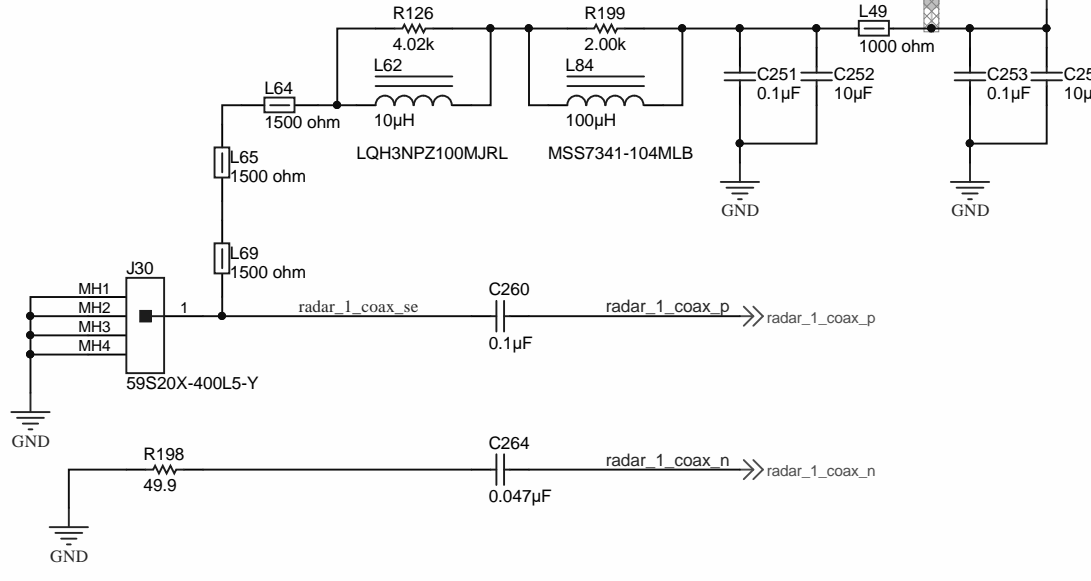
### Radar 0 - mount option 2: Coax




### Radar 1 - mount option 1: HSD

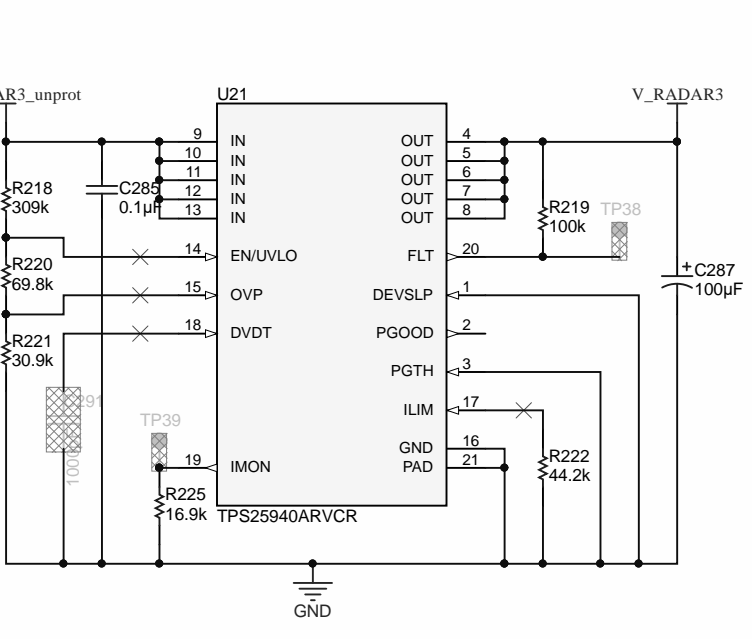
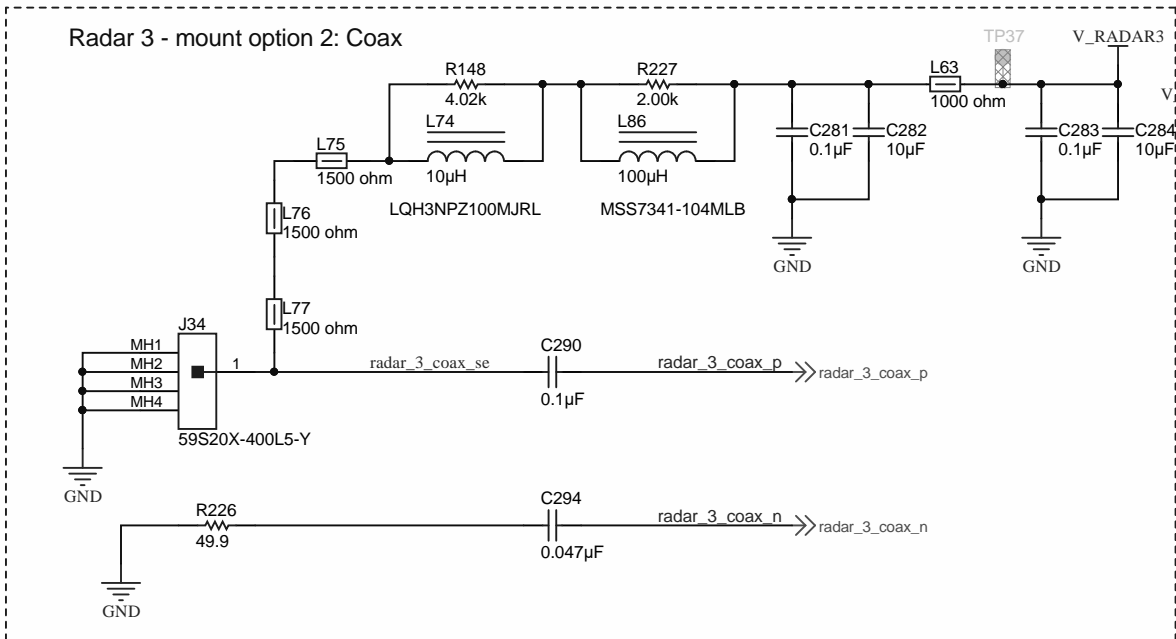
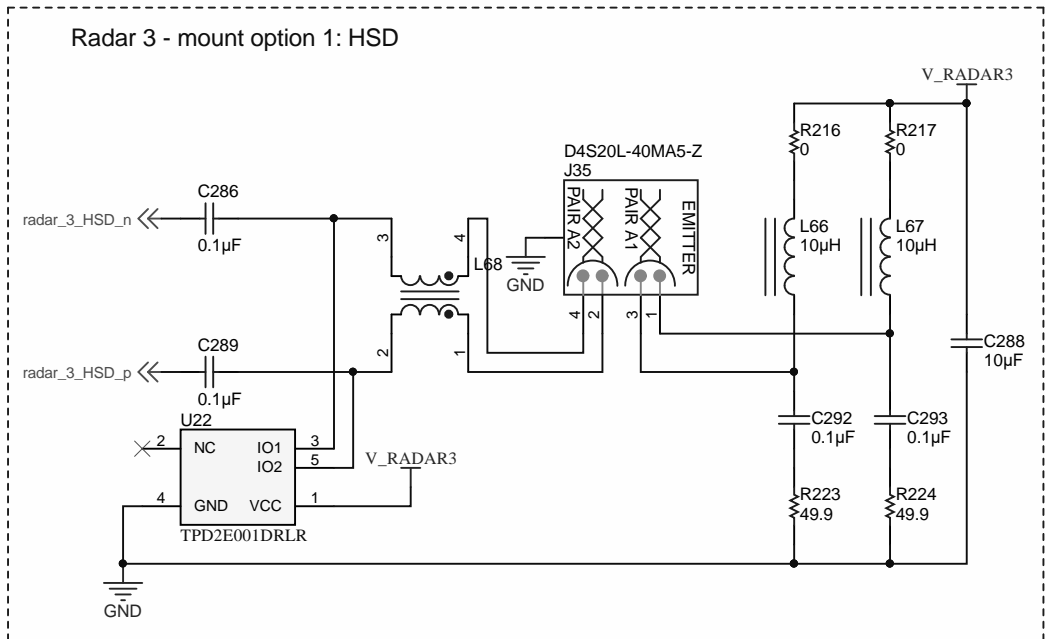
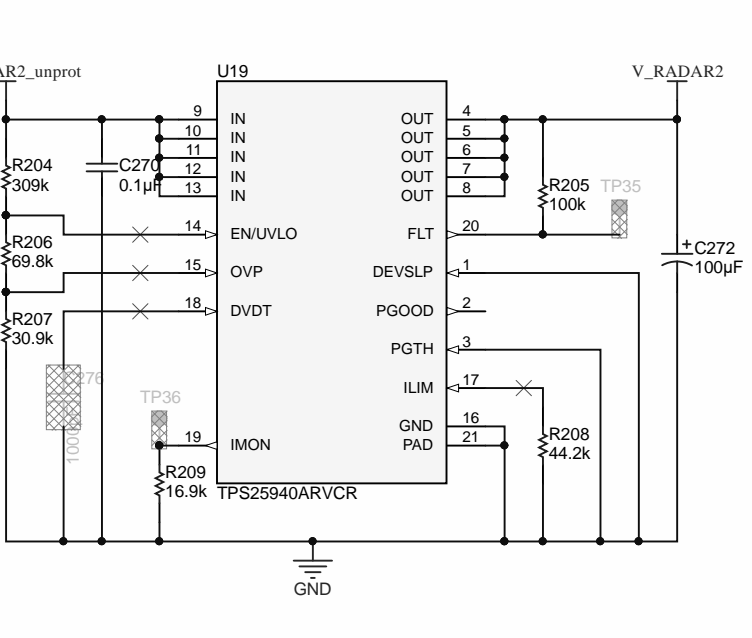
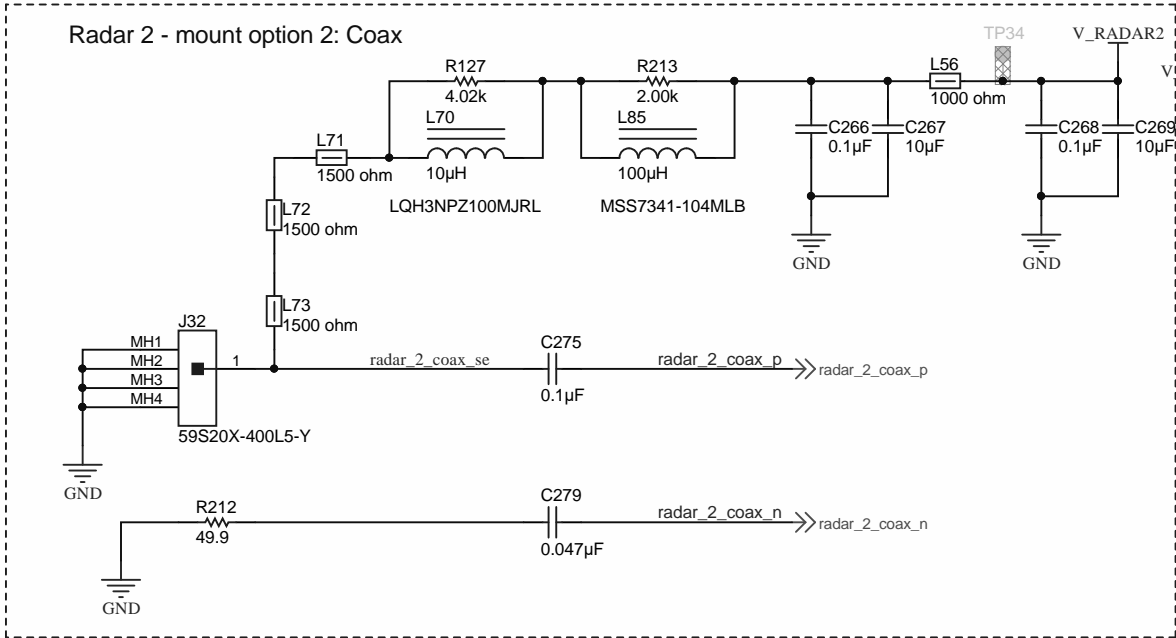
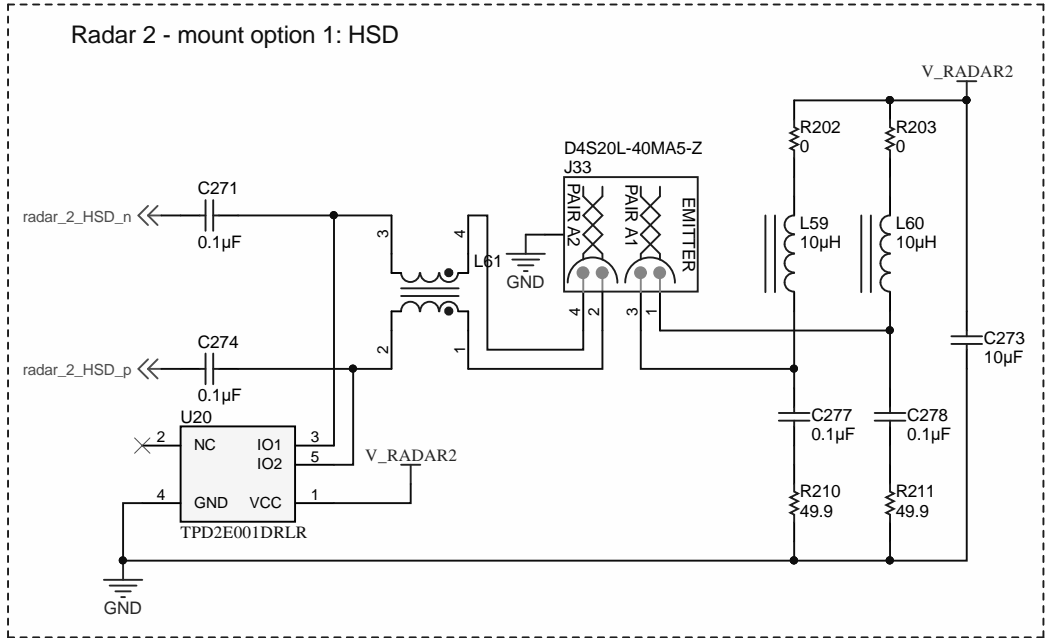


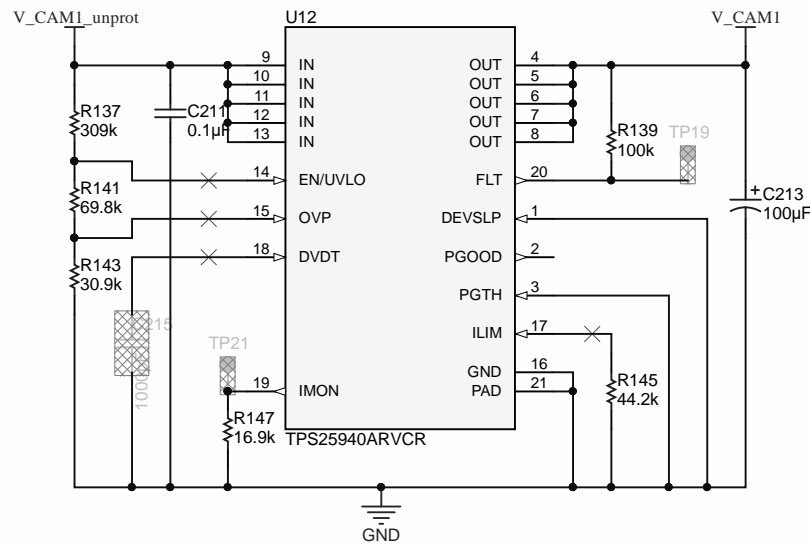
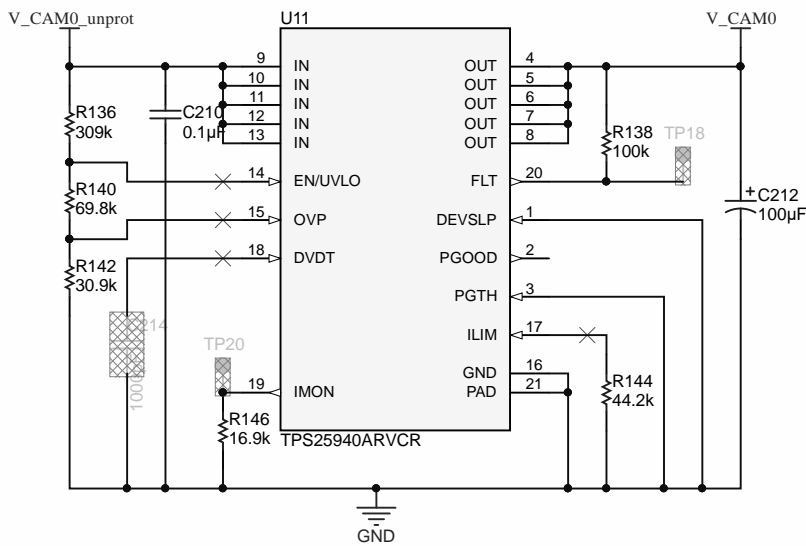
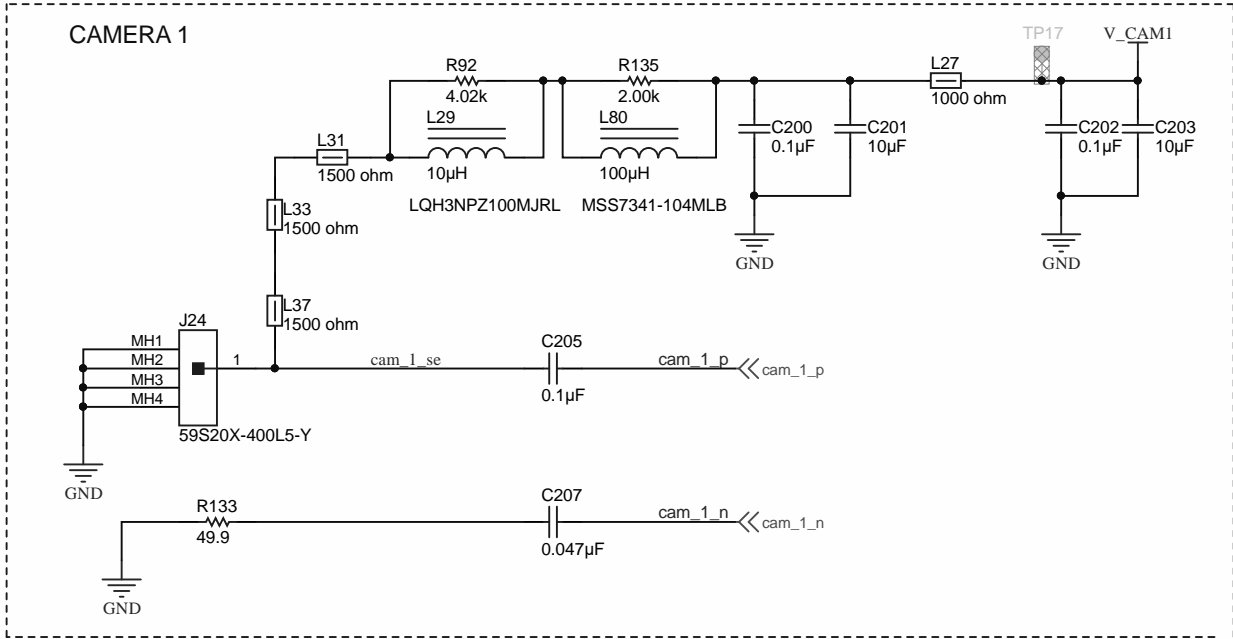
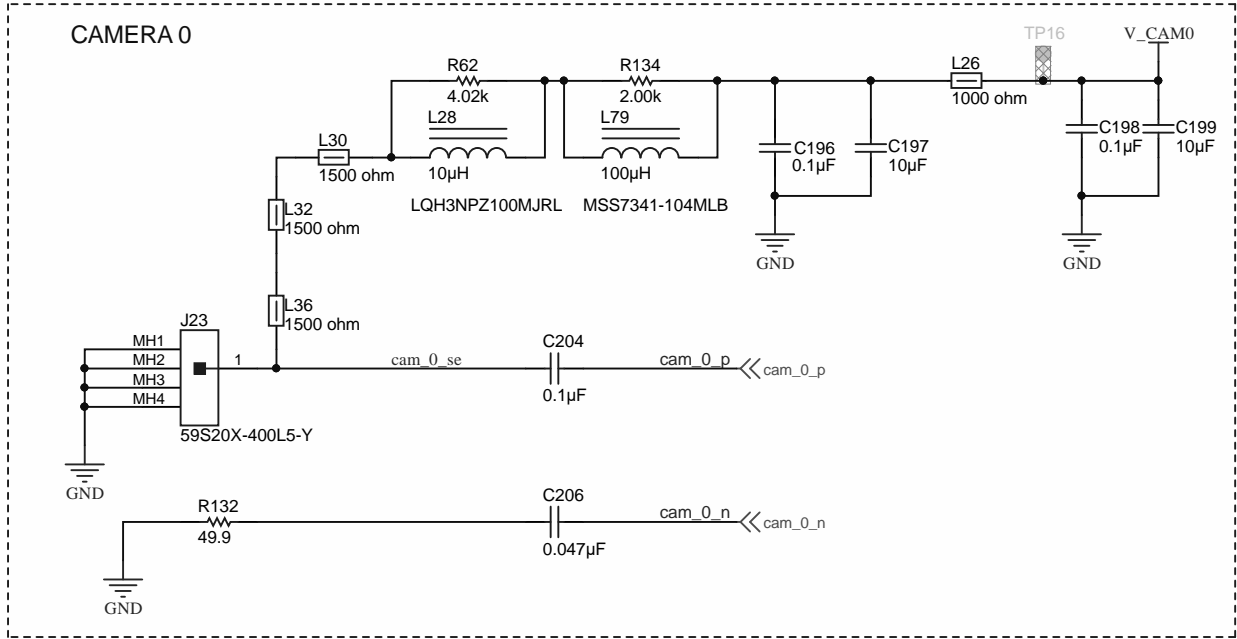
### Radar 1 - mount option 2: Coax



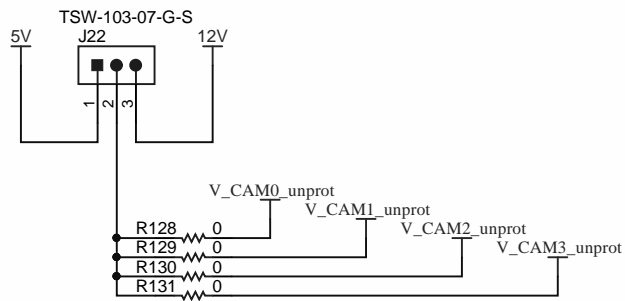
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TID #: N/A	Project Title: ADAS Sensor Fusion Board		
Number: 518520C	Rev: E4	Sheet Title:	
SVN Rev: Not in version control	Assembly Variant: Populated_variant	Sheet: 10 of 15	
Drawn By:	File: ADAS_SF_Data_Connection_Radar_01.SchDocSize: B		
Engineer: Spectrum Digital	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>		






Power Selection

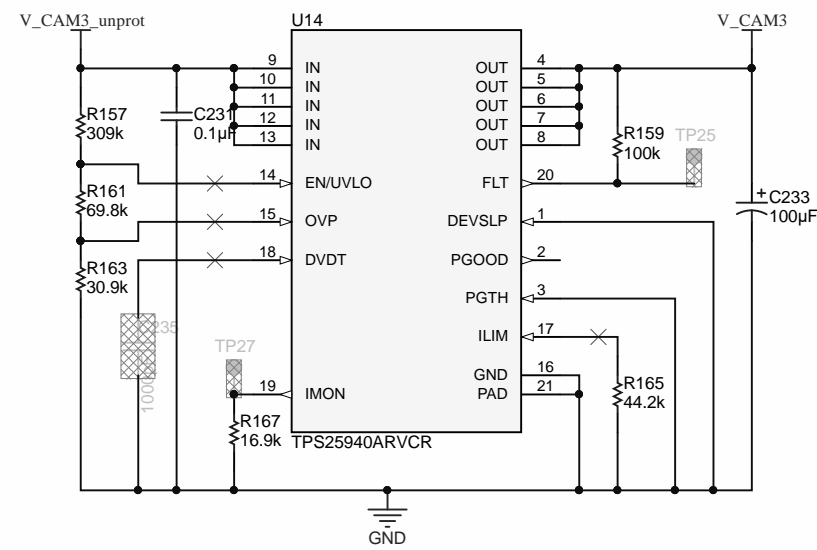
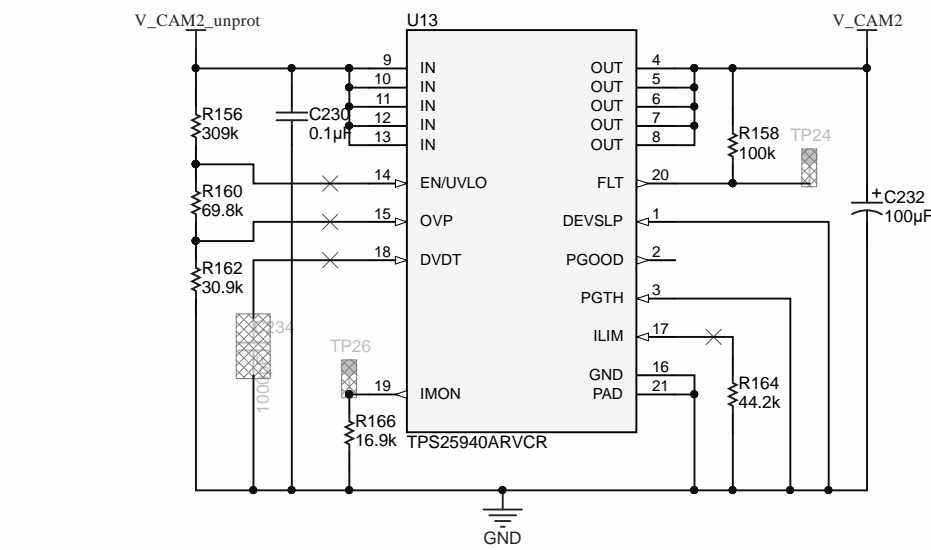
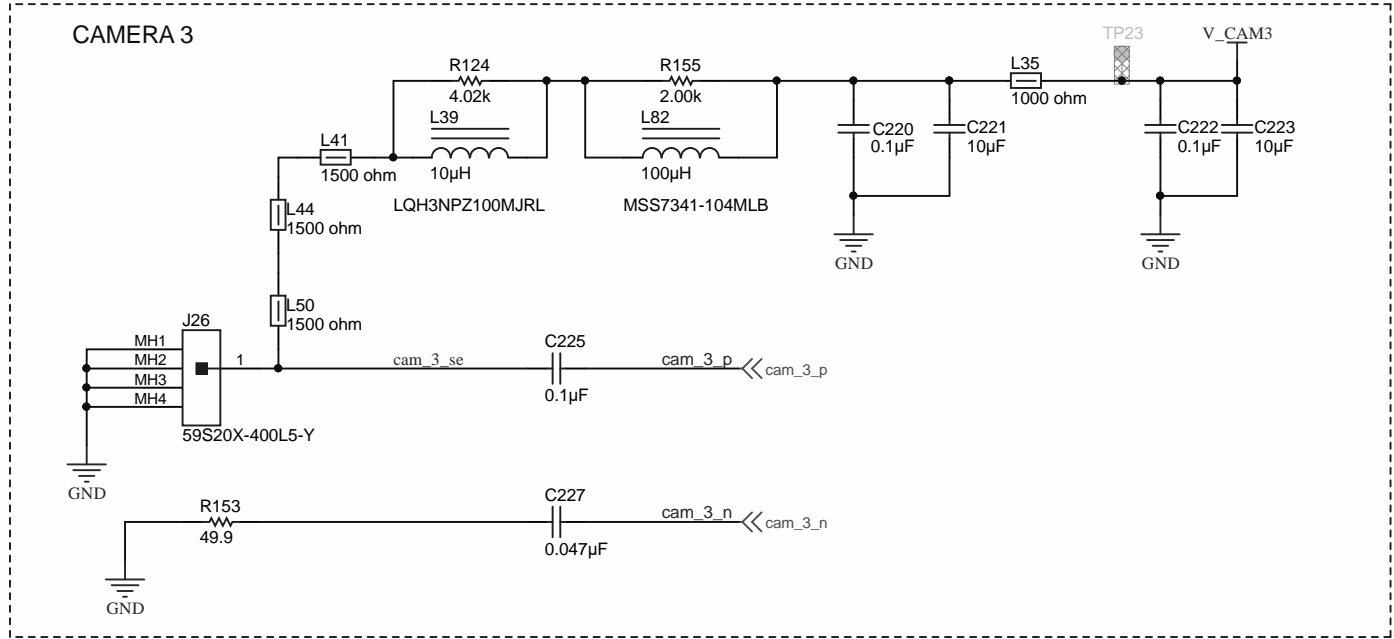
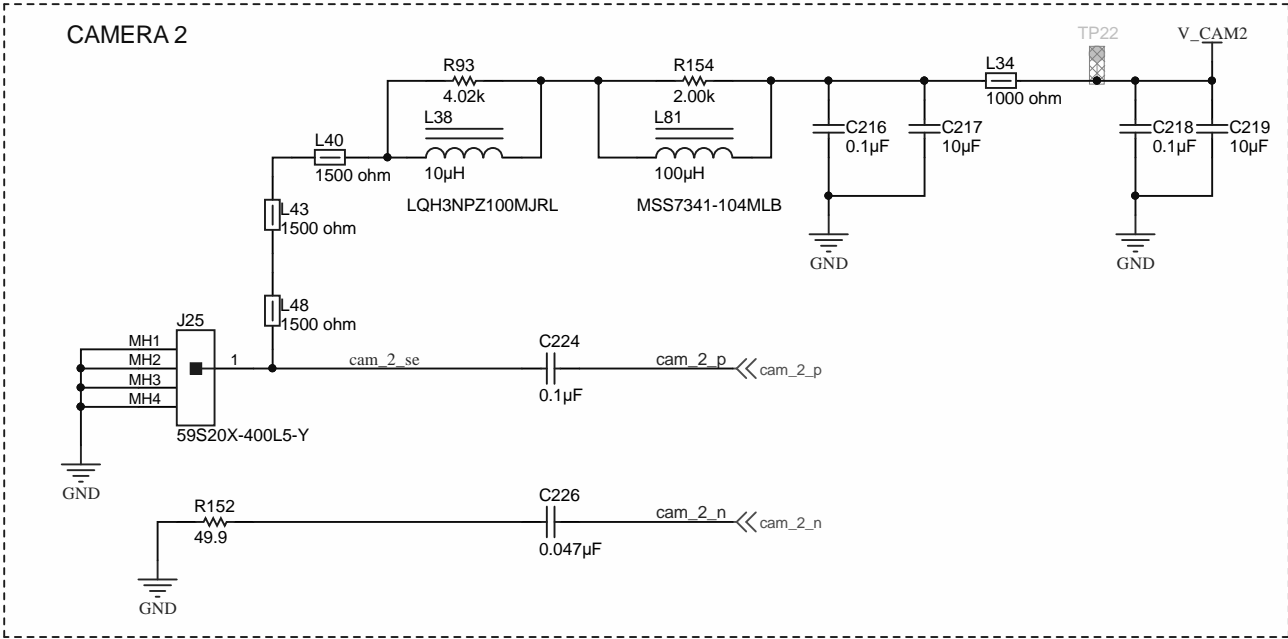


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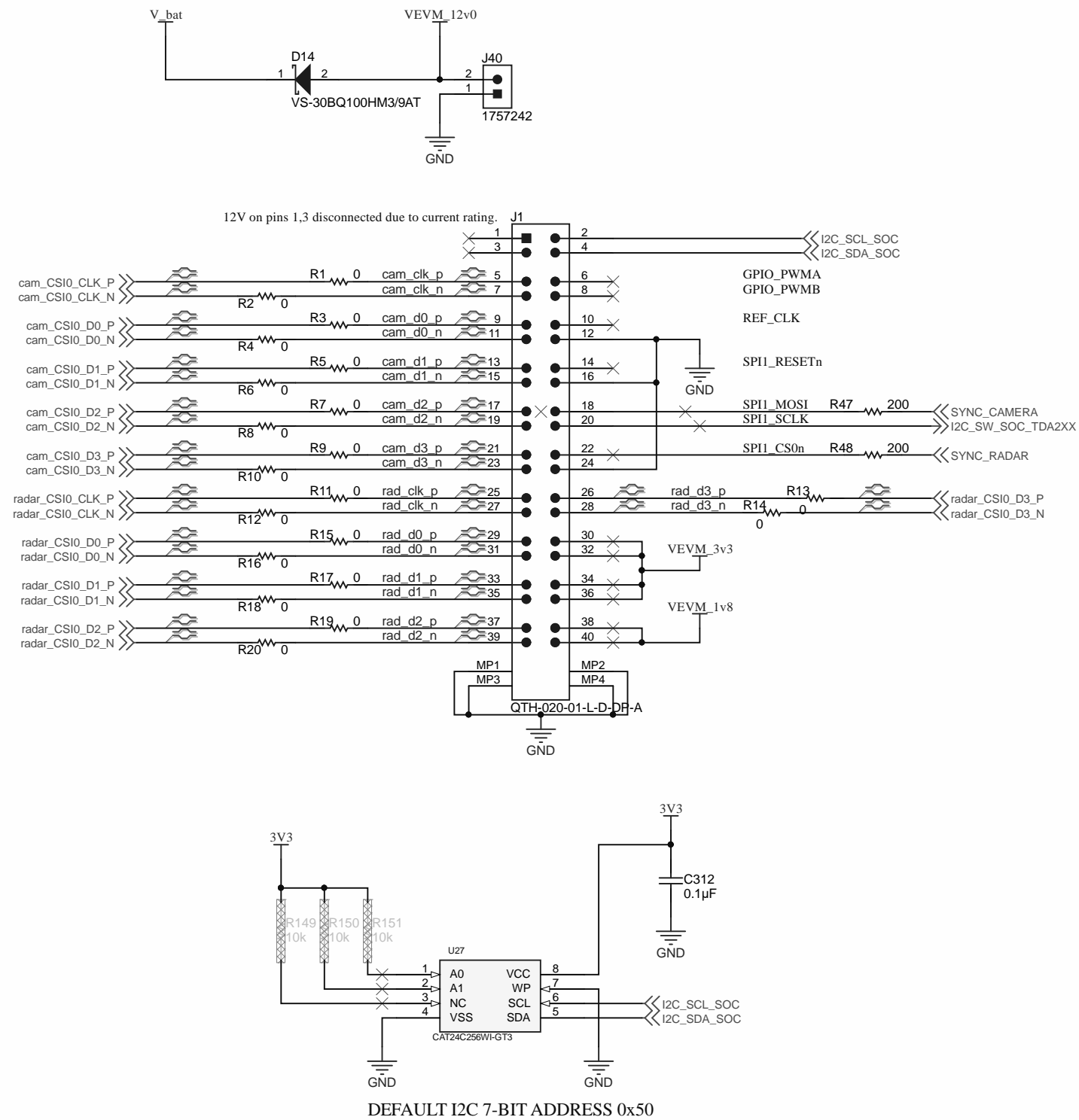
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TID #: N/A	Project Title: ADAS Sensor Fusion Board	
Number: 518520C	Rev: E4	Sheet Title: Assembly Variant: Populated_variant
SVN Rev: Not in version control	File: ADAS_SF_Data_Connection_Cam_01.SchDoc	Sheet: 12 of 15
Drawn By:	Contact: http://www.ti.com/support	
Engineer: Spectrum Digital		

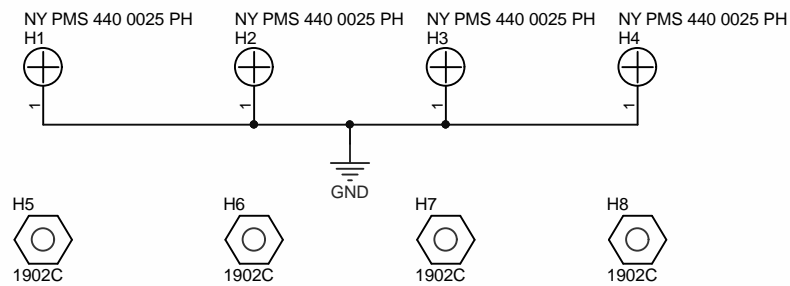


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PCB Number: 518520C  
PCB Rev: C

PCB  
LOGO  
Texas Instruments

PCB  
LOGO  
RoHS Exempt

PCB  
LOGO  
FCC disclaimer

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.

You should delete the nylon screws/standoffs and/or the bumpons as needed for your design (or substitute other parts from Hardware.IntLib). Bumpons are cheaper, but provide less clearance.

Deleting anything else from this page may result in your EVM submission being rejected (until you add them back).

Update the Label Text in the Label Table as needed for each Assembly Variant.

You should delete this note too.