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

AWR1843BOOST

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ASSEMBLY NOTES:

ASSEMBLIES MUST BE CLEAN AND FREE FROM FLUX AND ALL CONTAMINANTS. USE OF NO CLEAN FLUX IS NOT ACCEPTABLE

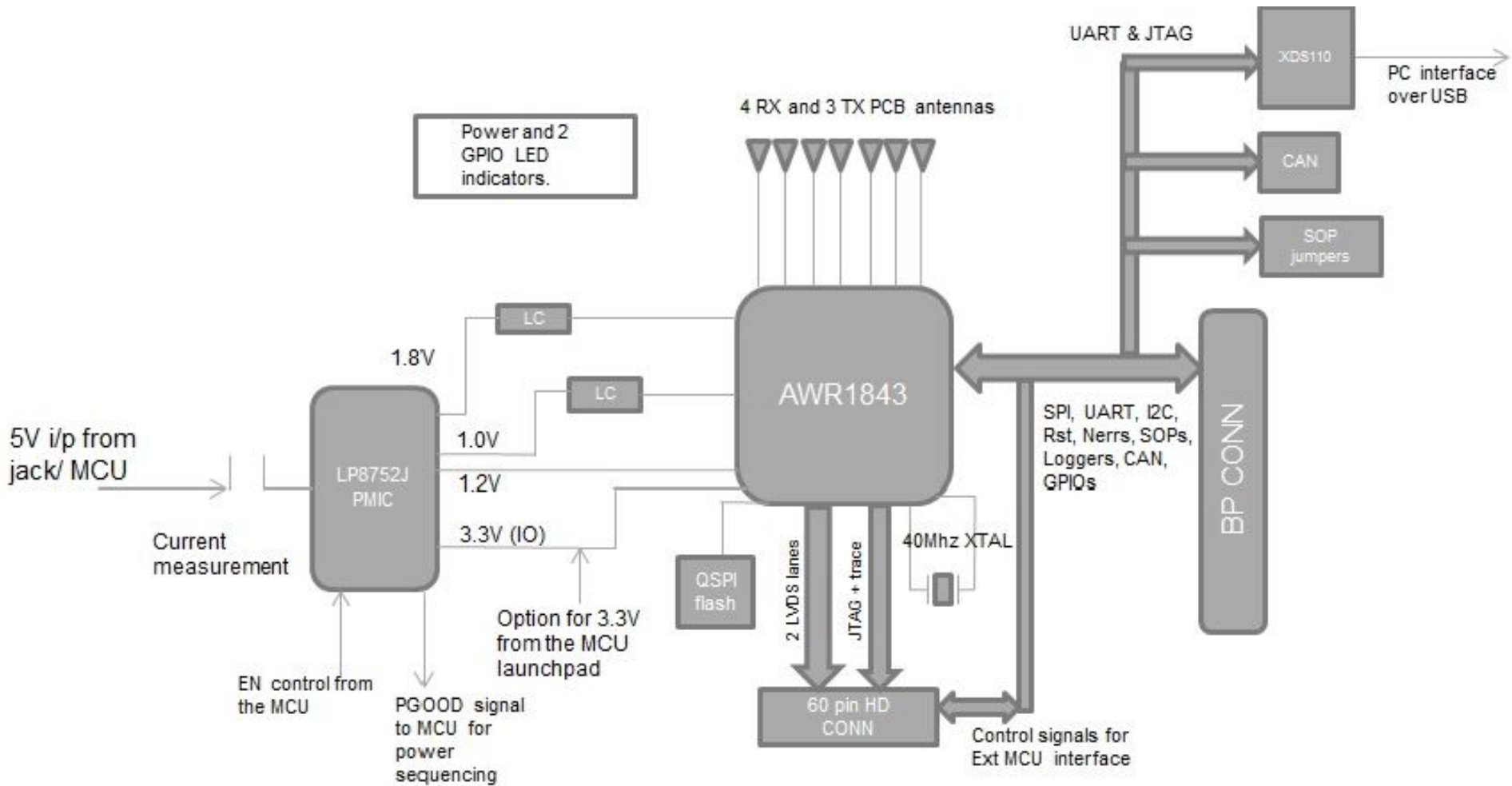
ASSEMBLIES MUST COMPLY WITH WORKMANSHIP STANDARDS IPC-A-610 CLASS 2, UNLESS OTHERWISE SPECIFIED

COMPONENTS MARKED "DNI = TRUE" WILL NOT BE ASSEMBLED

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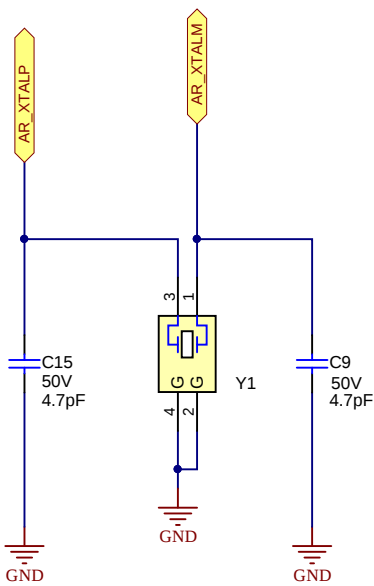
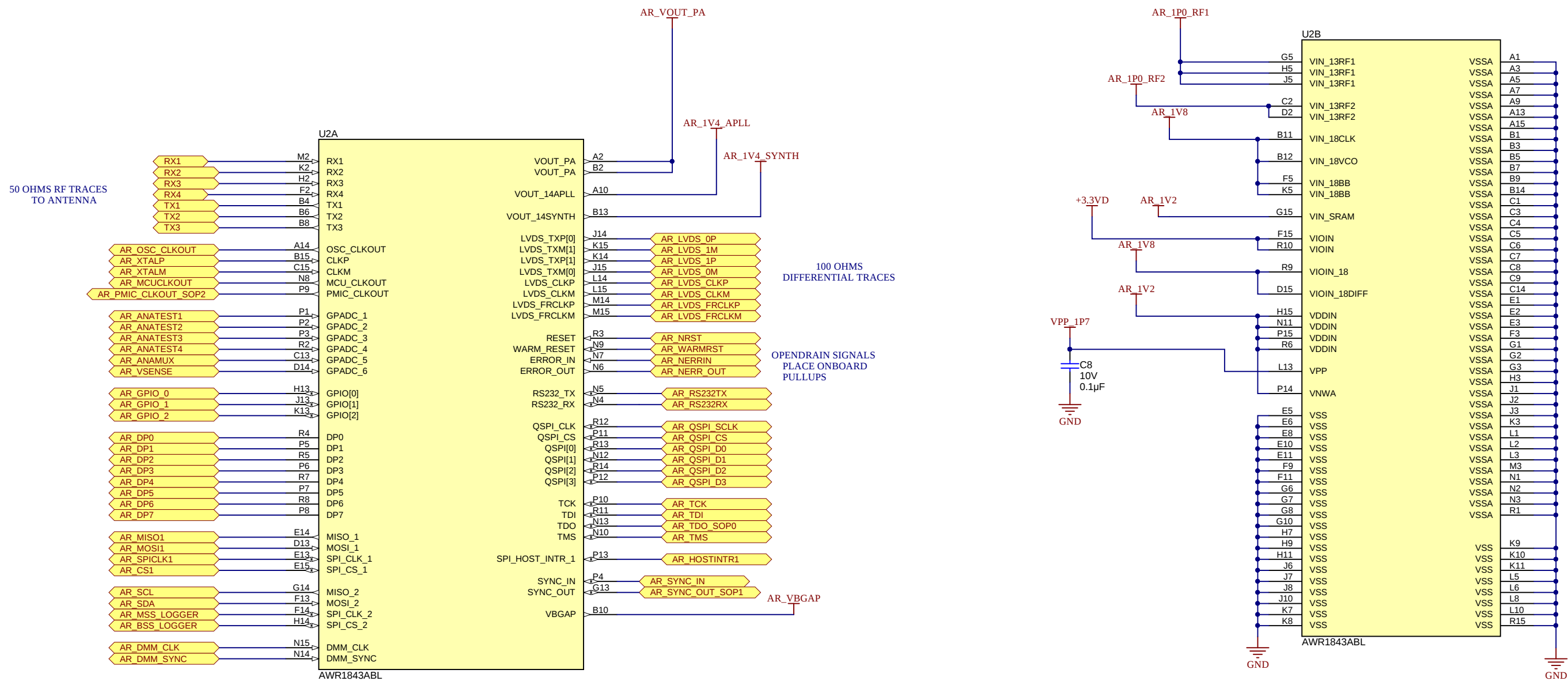
BLOCK DIAGRAM



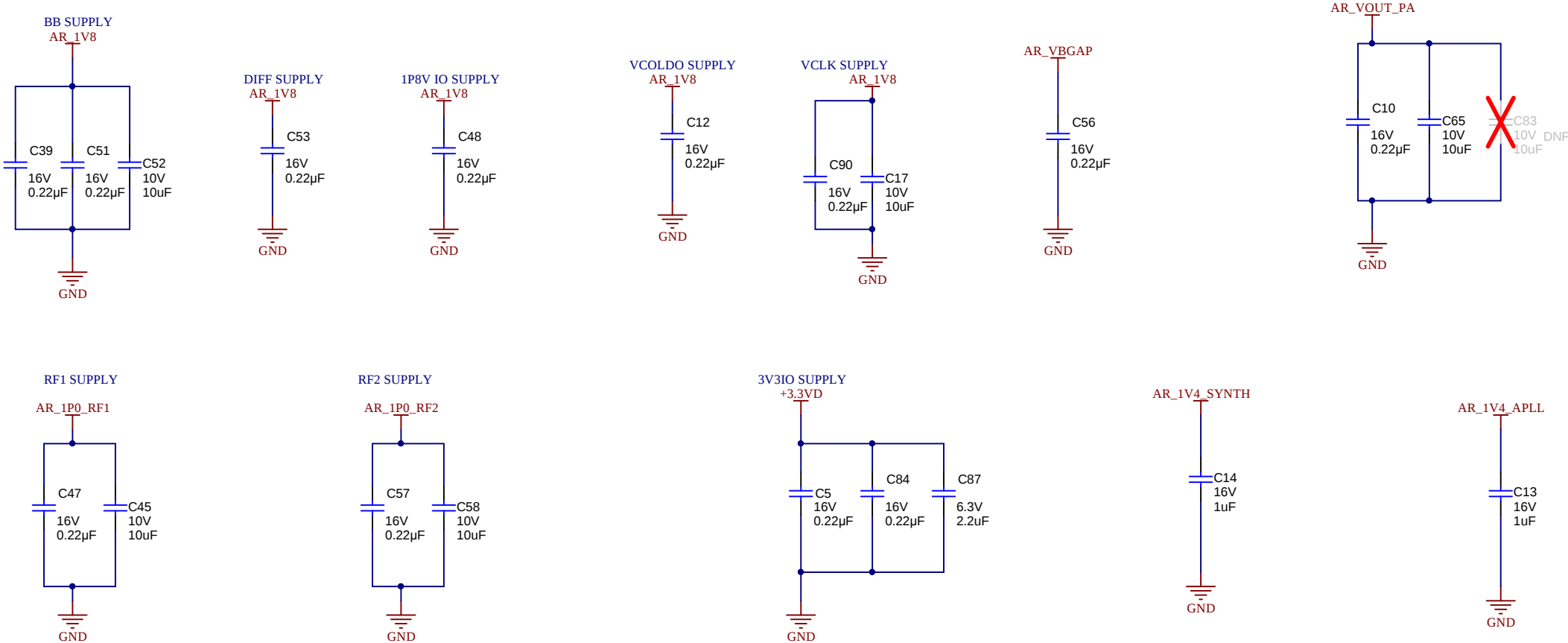
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TID #: N/A	Project Title: AWR1843EVM		
Number: PROC051	Rev: A	Sheet Title: BLOCK DIAGRAM	
SVN Rev: Not in version control	Assembly Variant: 001		Sheet: 2 of 18
Drawn By:	File: BLOCK DIAGRAM.SchDoc		Size: B
Engineer: Vivek Dham	Contact: http://www.ti.com/support		

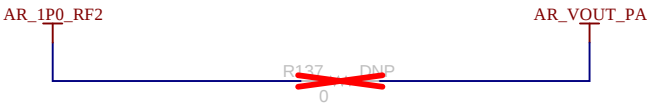
AWR1843



SUPPLY_DECOUPLING_CAPS



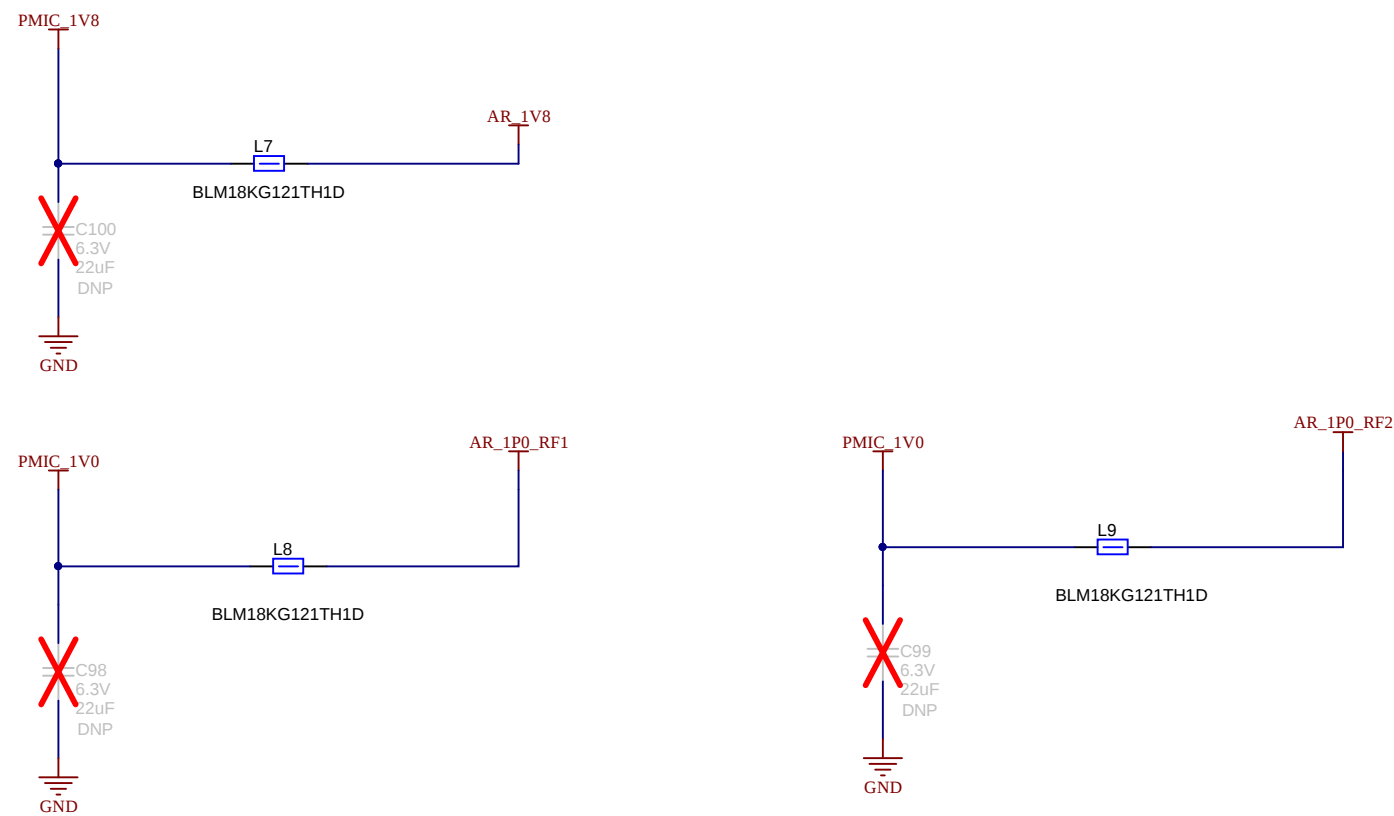
OPTIONS FOR INTERNAL DEBUG ONLY



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Number: PROC051		Rev: A		Sheet Title: Decoupling caps	
SVN Rev: Not in version control		Assembly Variant: 001			Sheet: 4 of 18
Drawn By:		File: Decoupling caps.SchDoc			Size: B
Engineer: Vivek Dham		Contact: http://www.ti.com/support			

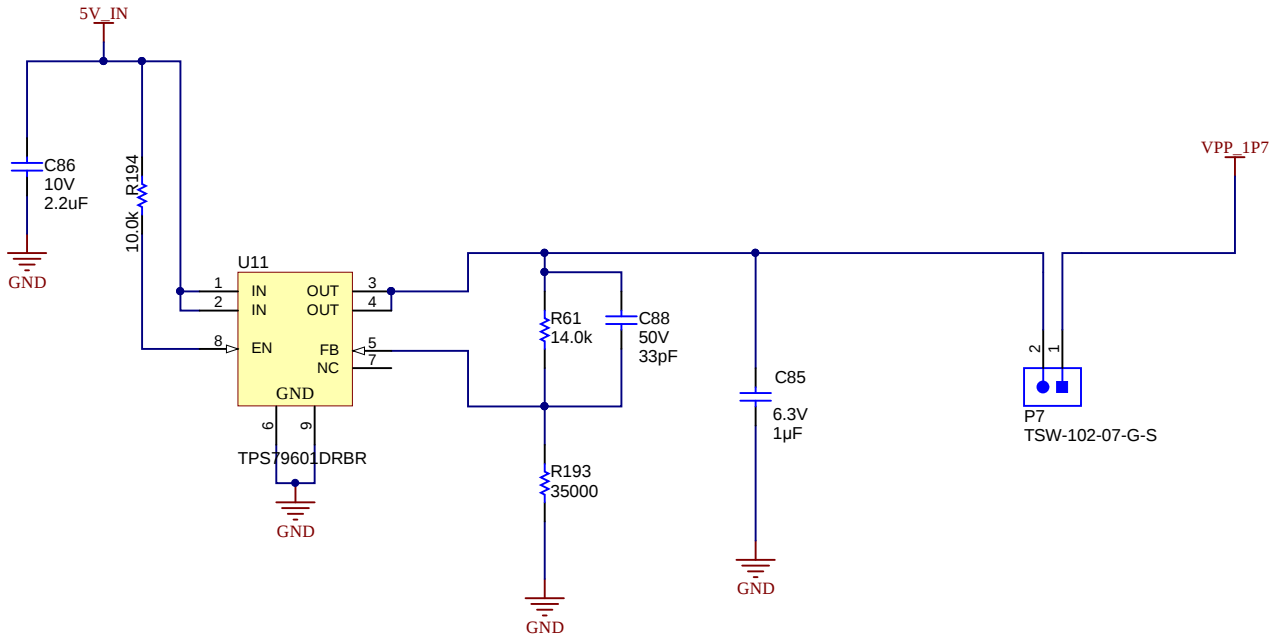
Analog supply filters



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TID #: N/A		Project Title: AWR1843EVM		
Number: PROC051	Rev: A	Sheet Title: Analog_supply_filters		
SVN Rev: Not in version control		Assembly Variant: 001	Sheet: 5 of 18	
Drawn By:		File: Analog_supply_filters.SchDoc		Size: B
Engineer: Vivek Dham		Contact: http://www.ti.com/support		

VPP SUPPLY LDO

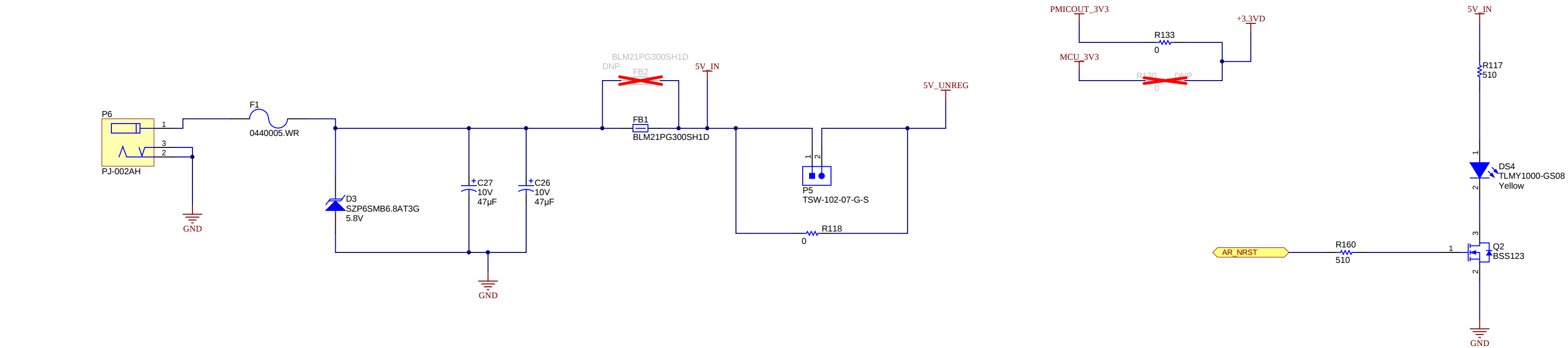


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Number: PROC051		Rev: A		Sheet Title: VPP Supply	
SVN Rev: Not in version control		Assembly Variant: 001		Sheet: 6 of 18	
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Engineer: Vivek Dham		Contact: http://www.ti.com/support			

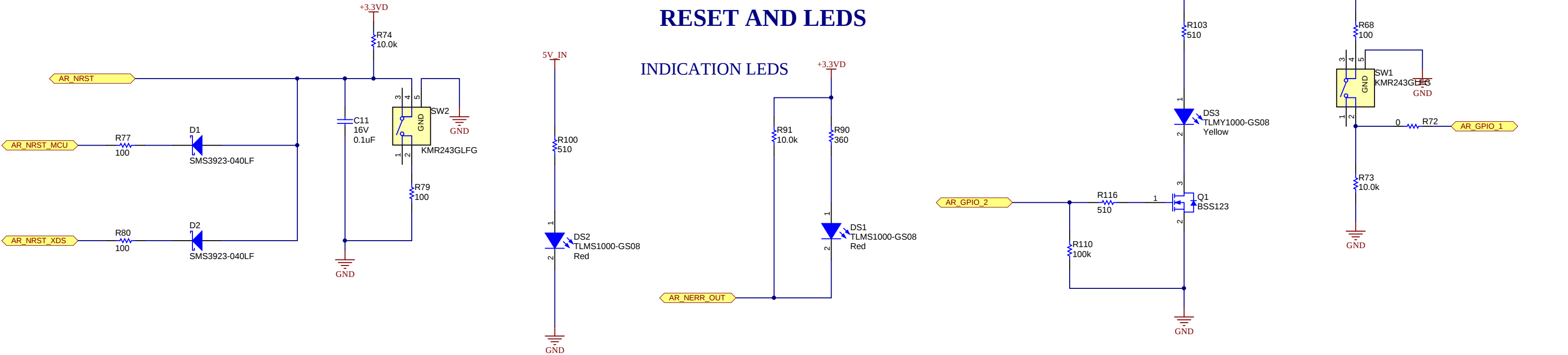
POWER SUPPLY CONNECTOR

3P3 SUPPLY FROM PMIC OR FROM THE MCU



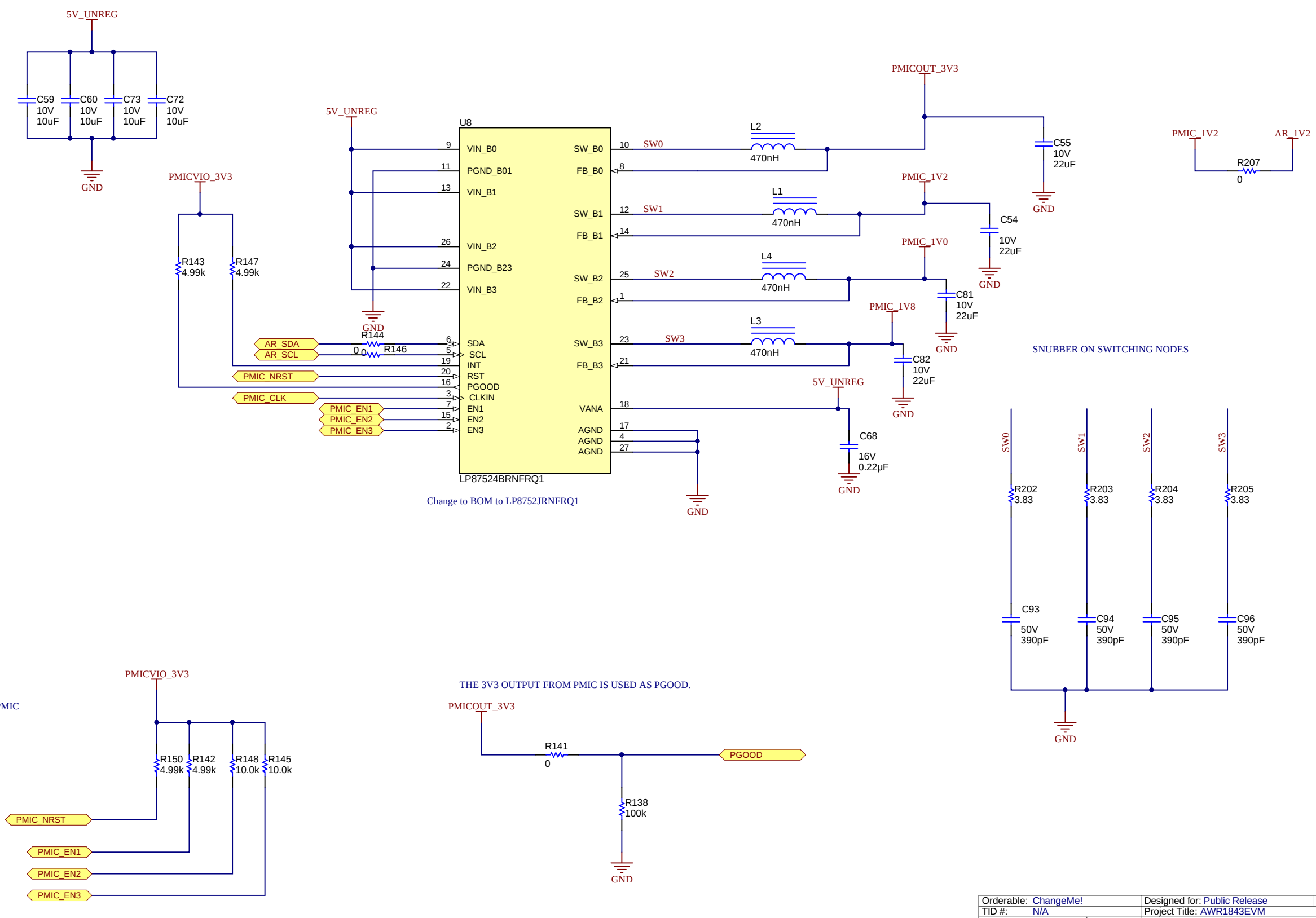
RESET AND LEDS

INDICATION LEDS



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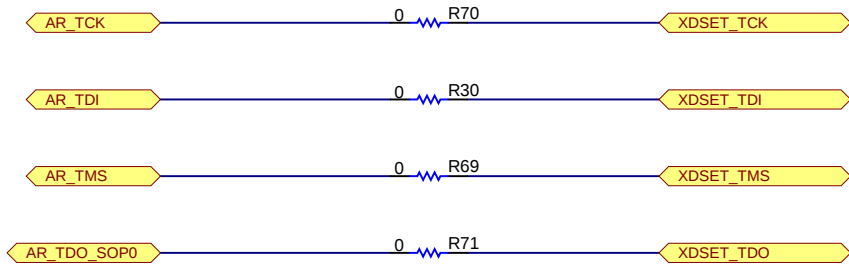
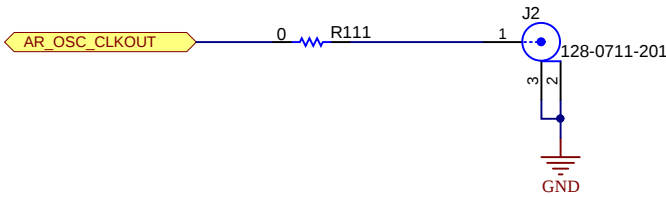
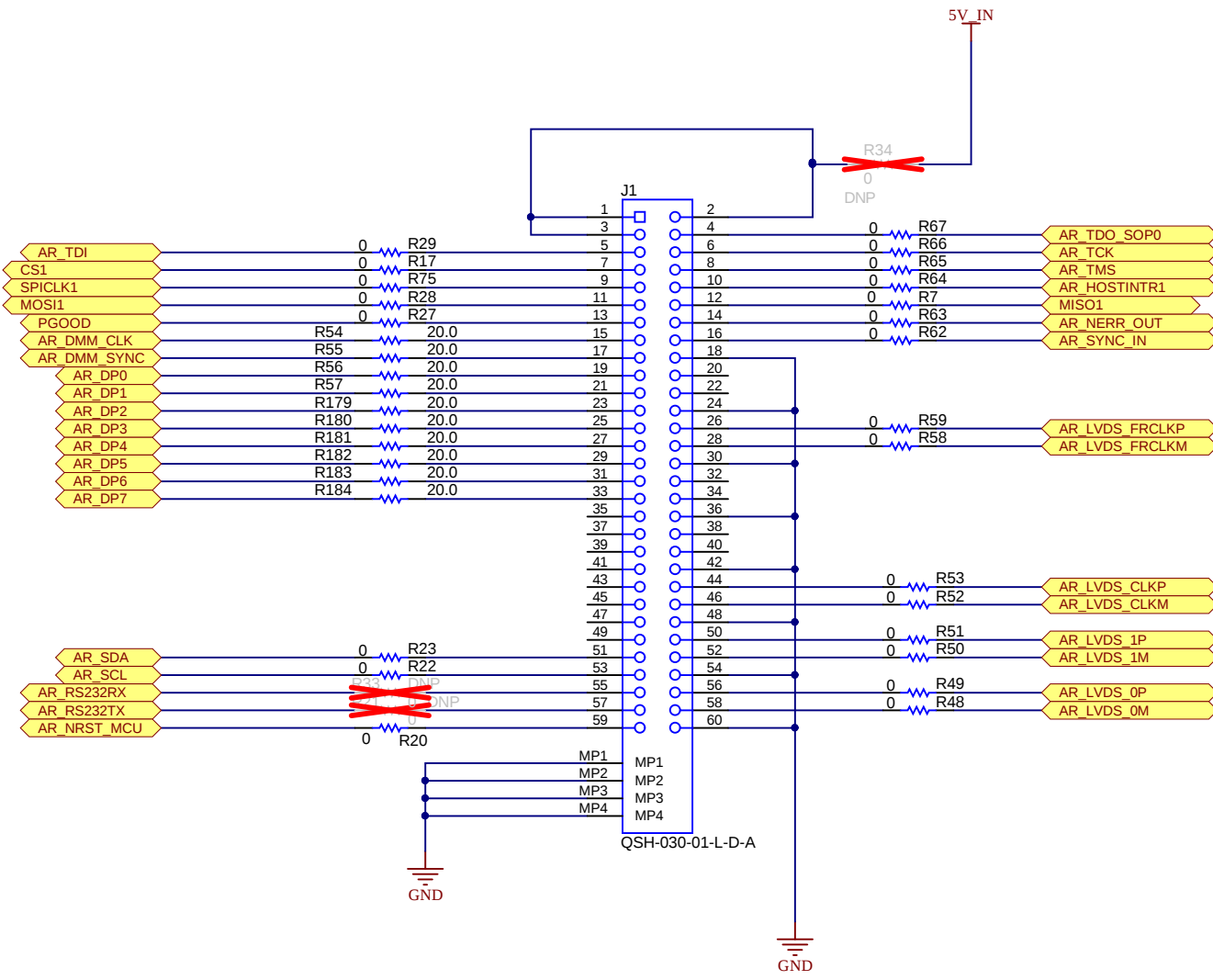
PMIC (3.3V, 1.2V, 1.8V, 2.3V OUTPUTS)



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Number: PROC051		Rev: A		Sheet Title: PMIC	
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Engineer: Vivek Dham		Contact: http://www.ti.com/support			

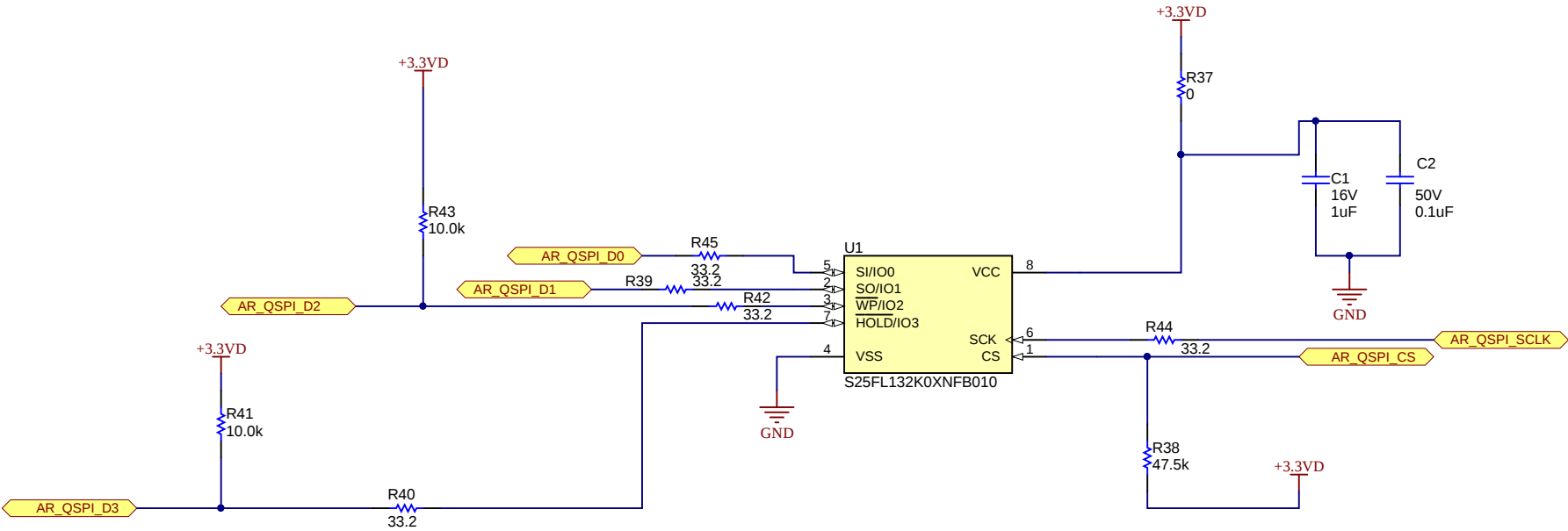
HD CONNECTOR FOR LVDS/CSI AND JTAG



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Number: PROC051		Rev: A		Sheet: 9 of 18	
SVN Rev: Not in version control		Assembly Variant: 001		Size: B	
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Engineer: Vivek Dham		Contact: http://www.ti.com/support			

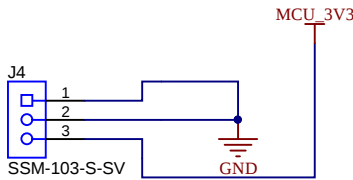
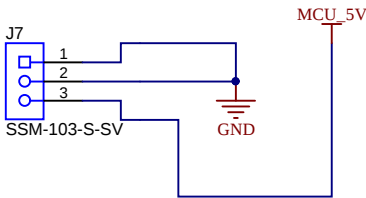
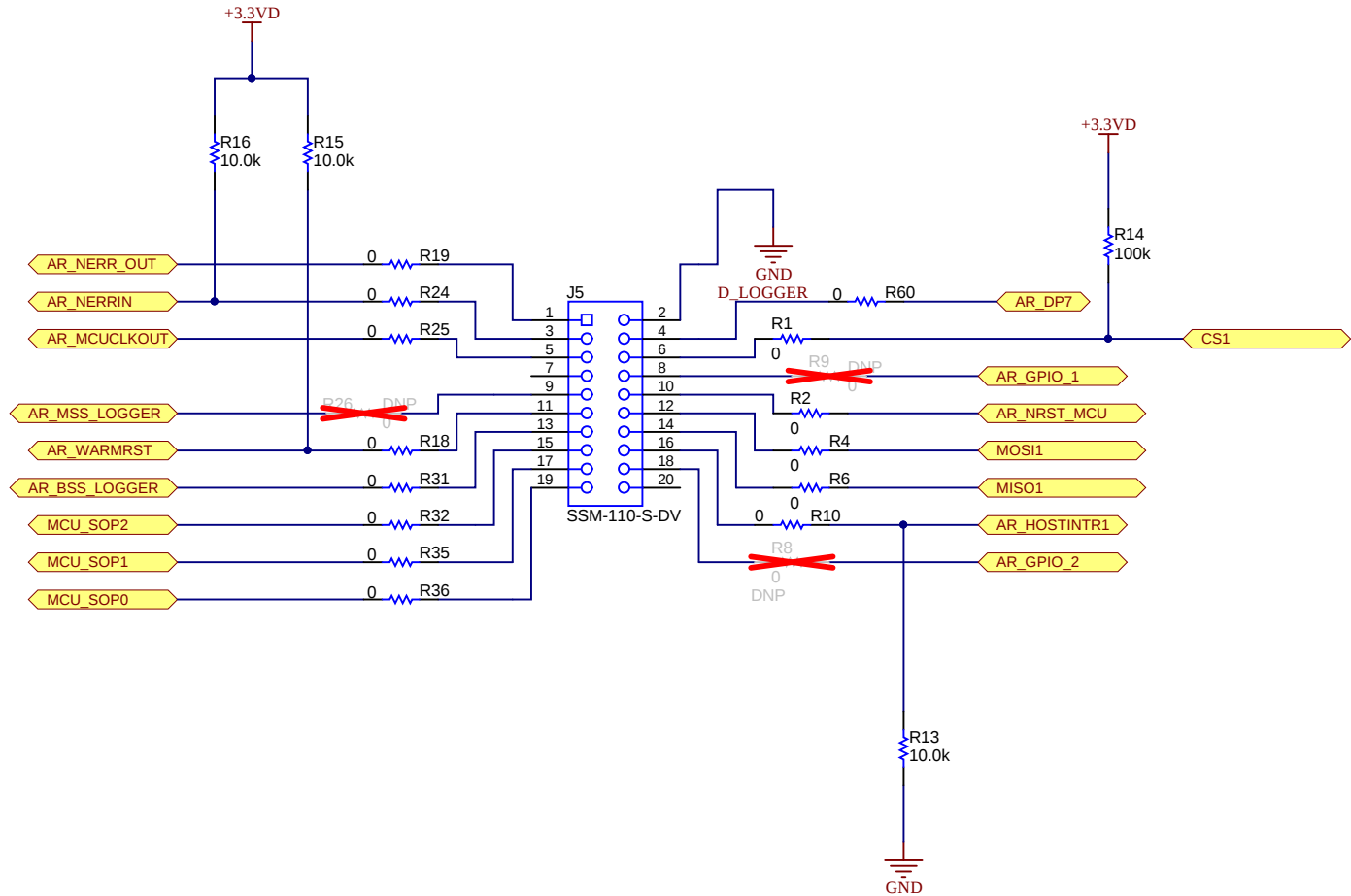
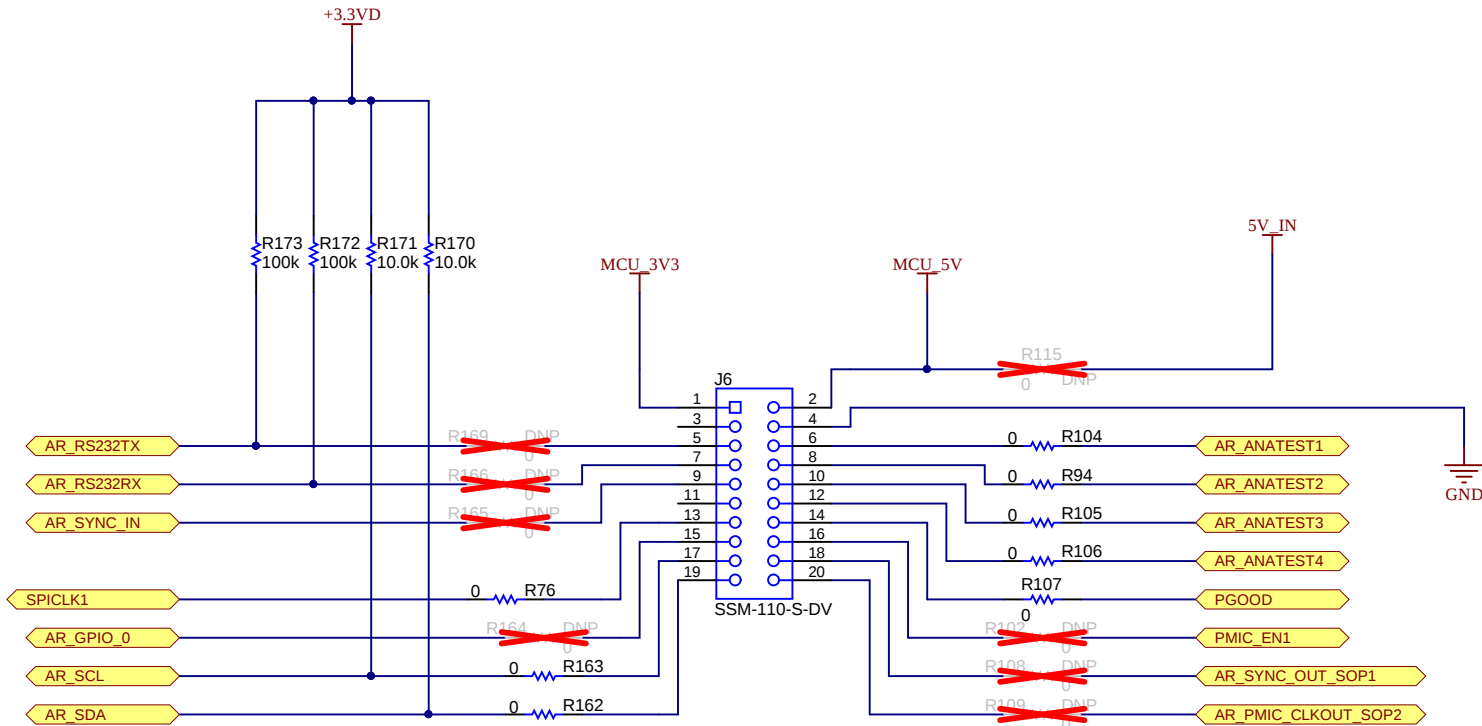
QSPI FLASH



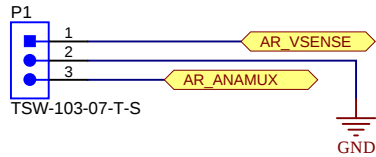
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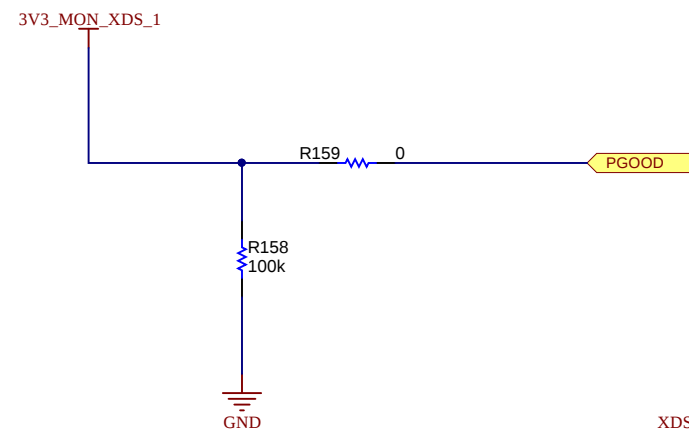
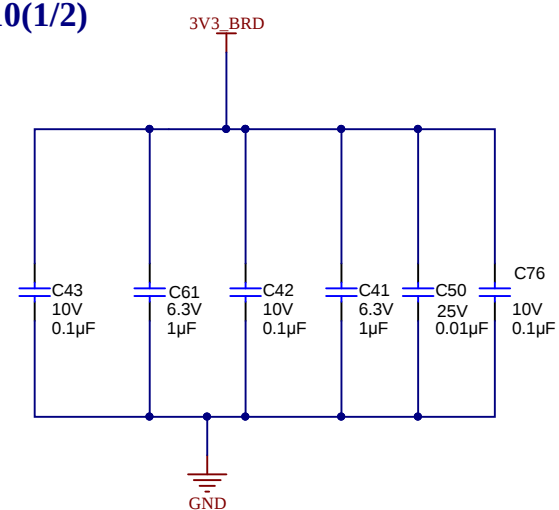
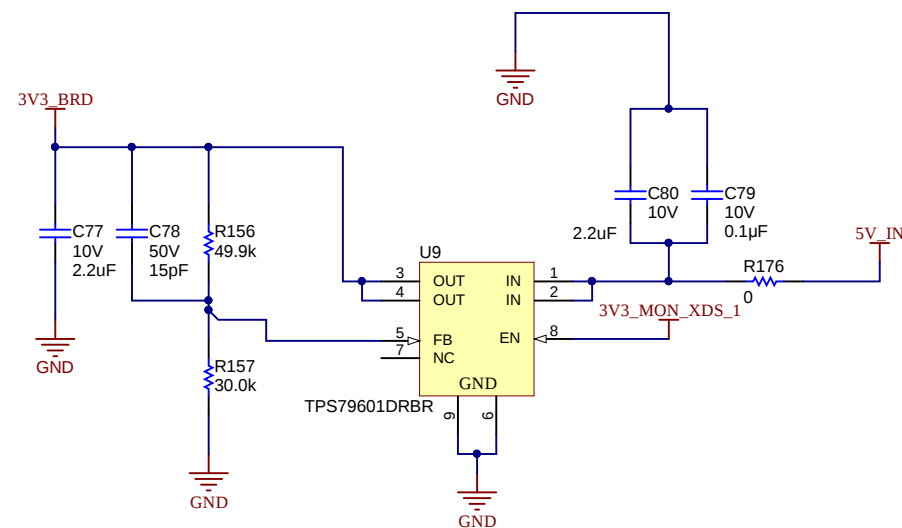
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Number: PROC051		Rev: A		Sheet Title: QSPI flash section	
SVN Rev: Not in version control		Assembly Variant: 001			Sheet: 10 of 18
Drawn By:		File: QSPI flash section.SchDoc			Size: B
Engineer: Vivek Dham		Contact: http://www.ti.com/support			

BP/LP CONNECTOR

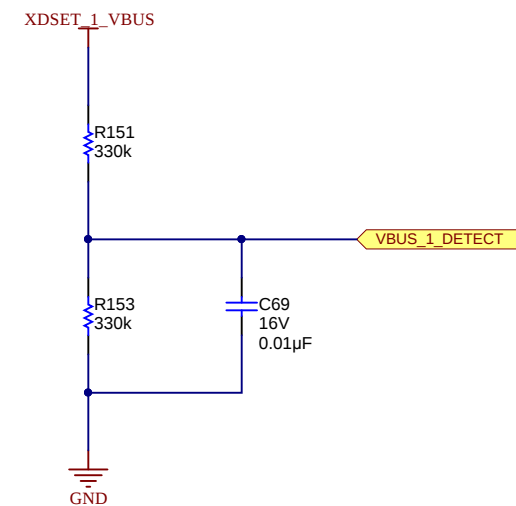
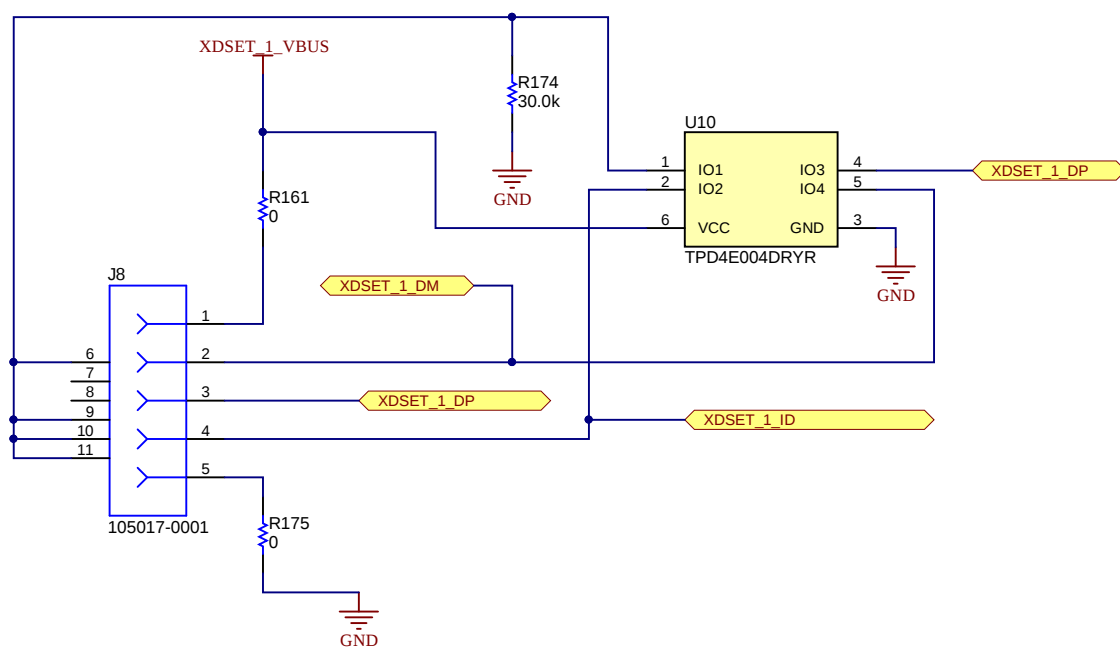


ANALOG SIGNALS

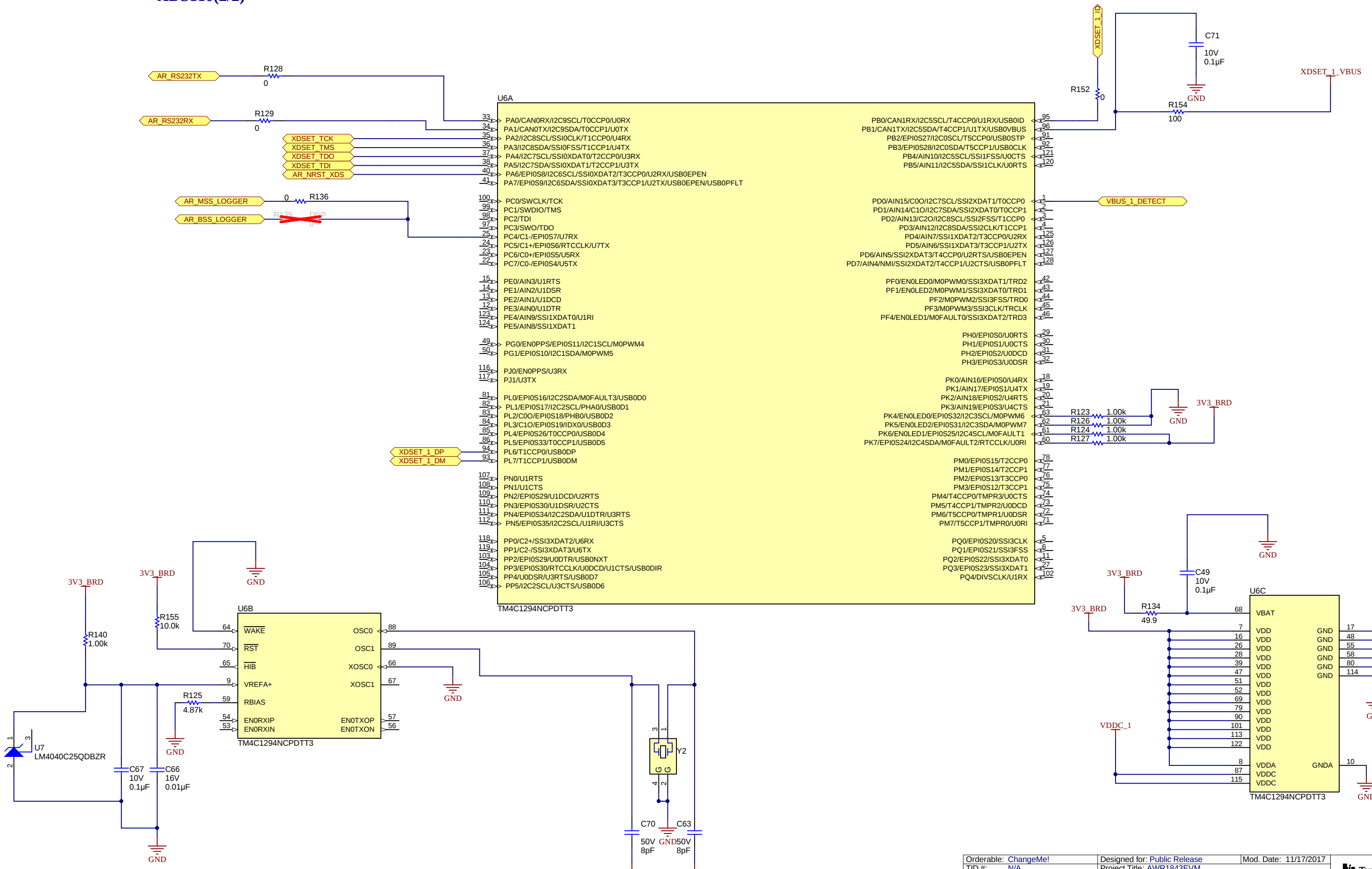




BY DEFAULT THE XDS SUPPLY IS DISABLED..
GETS ENABLED ONLY ONCE THE PMIC IS POWERED UP.



XDS110(2/2)

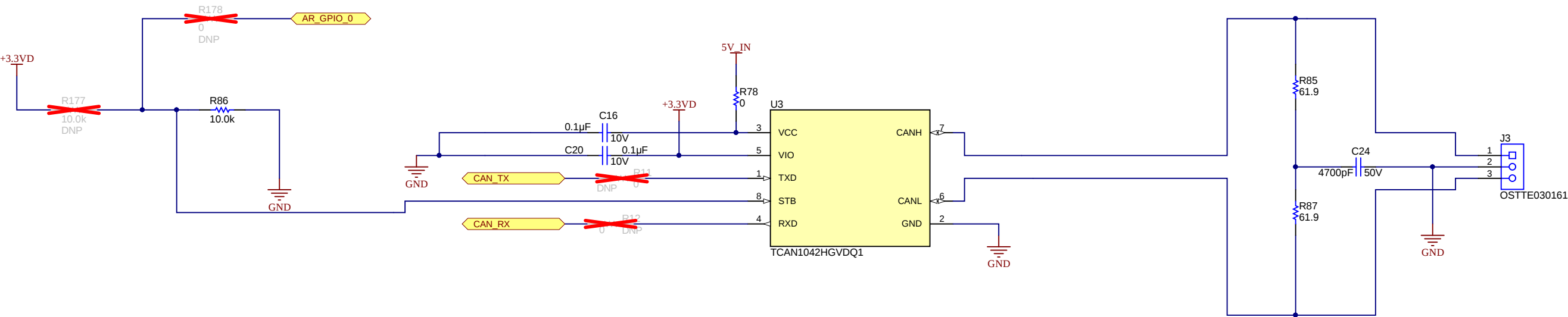


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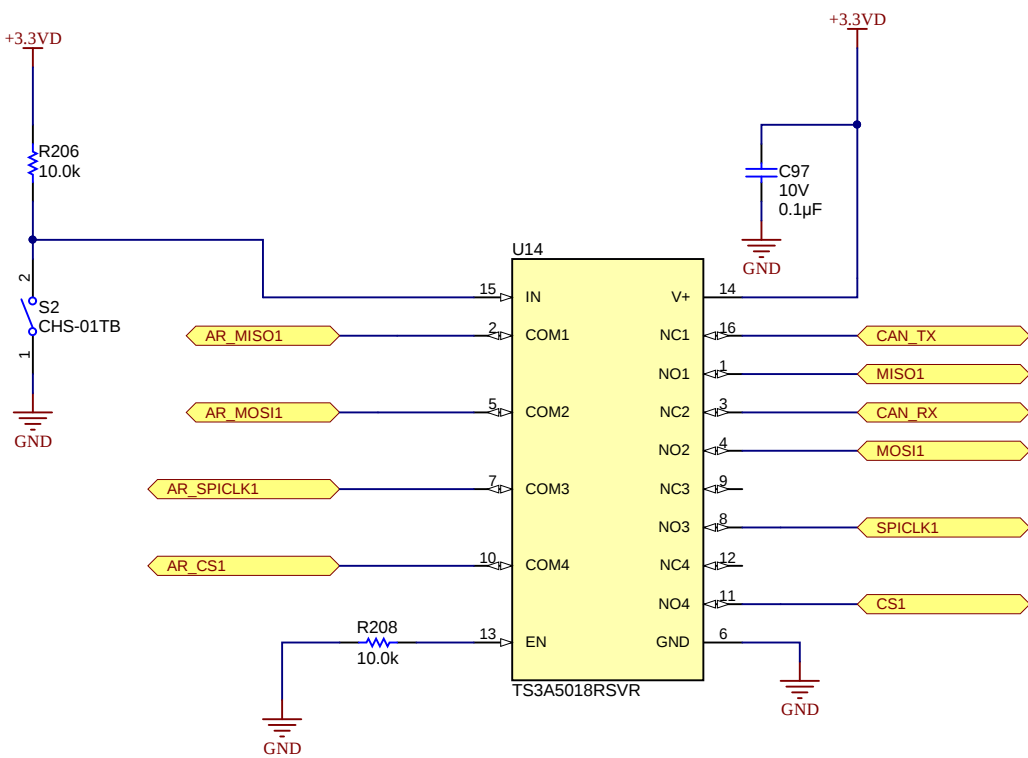
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Number: PROC051	Rev: A	Sheet: 13 of 18
SVN Rev: Not in version control	Assembly Variant: 001	Size: B
Drawn By: Vivek Dham	File: XDS110 Interface_1B - NEW.SchDoc	Contact: http://www.ti.com/support
Engineer: Vivek Dham		



CAN INTERFACE



MUX BETWEEN SPI AND CAN INTERFACE



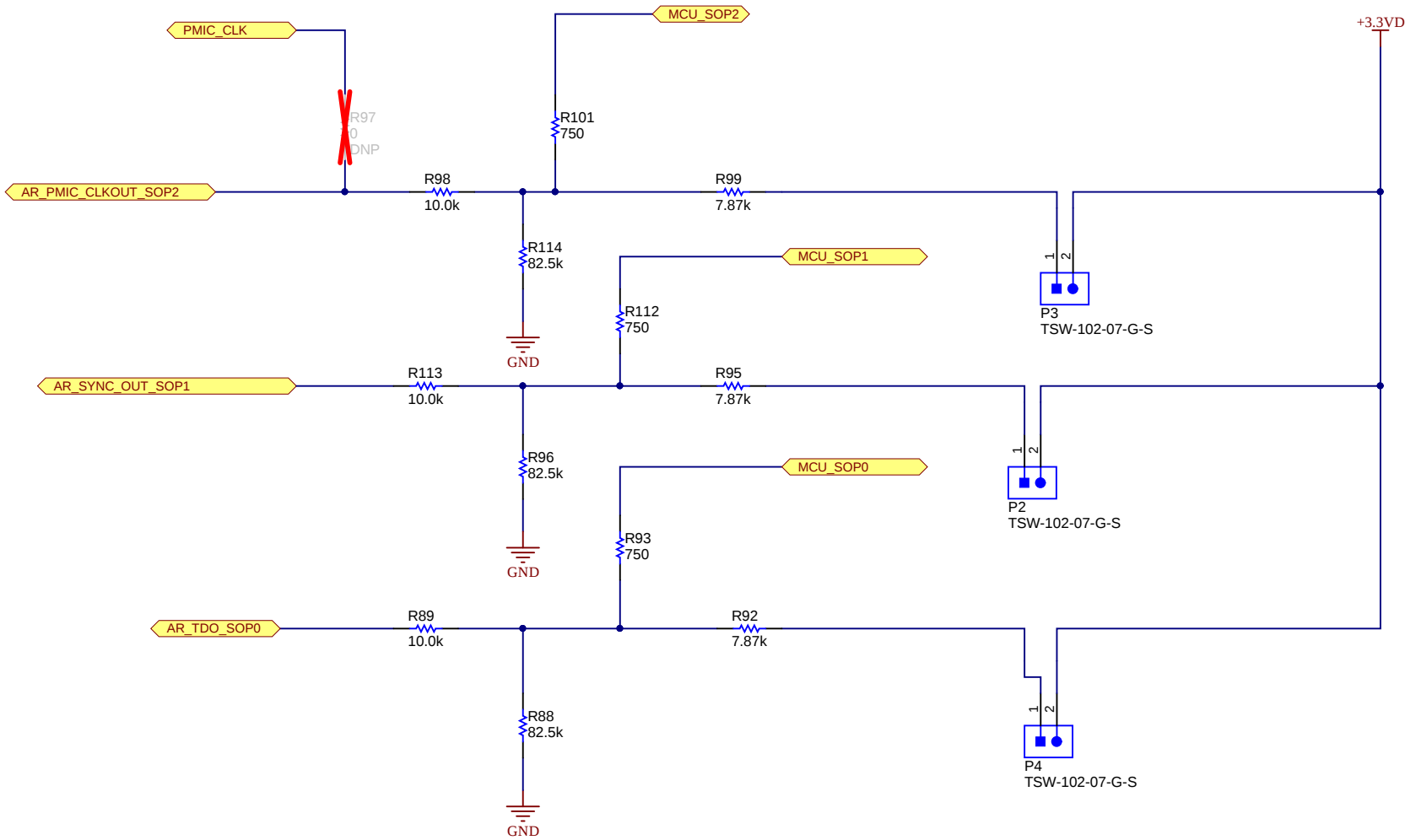
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Number: PROC051	Rev: A	Sheet Title: CAN Interface
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 14 of 18
Drawn By: Vivek Dham	File: CAN Interface.SchDoc	Size: B
Engineer: Vivek Dham	Contact: http://www.ti.com/support	



SOP HEADERS

SOP_MODE1	"010"	SCAN/ATPG
SOP_MODE2	"011"	DEV/FLED/ORBIT
SOP_MODE3	"000"	THB
SOP_MODE4	"001"	FUNC - > DEFAULT VALUE FOR OUTPUTS
SOP_MODE5	"101"	DEV MANAGEMENT -> FOR FLASHING

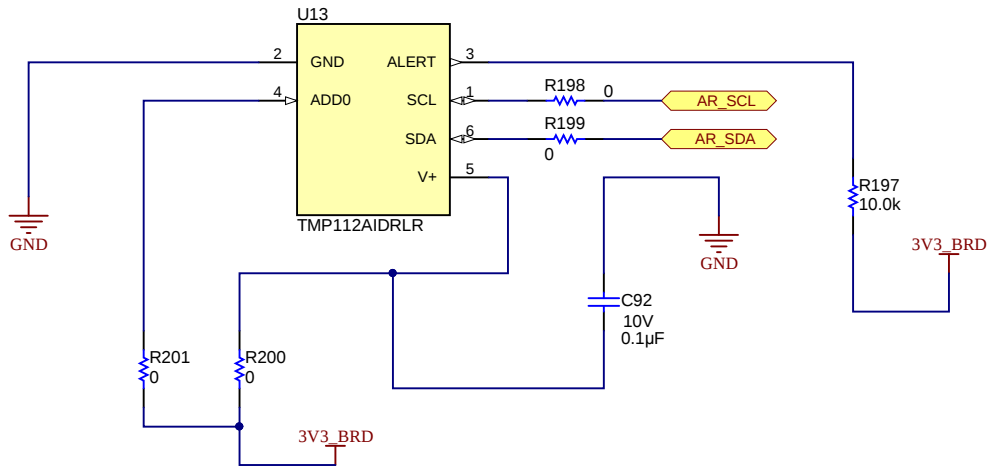


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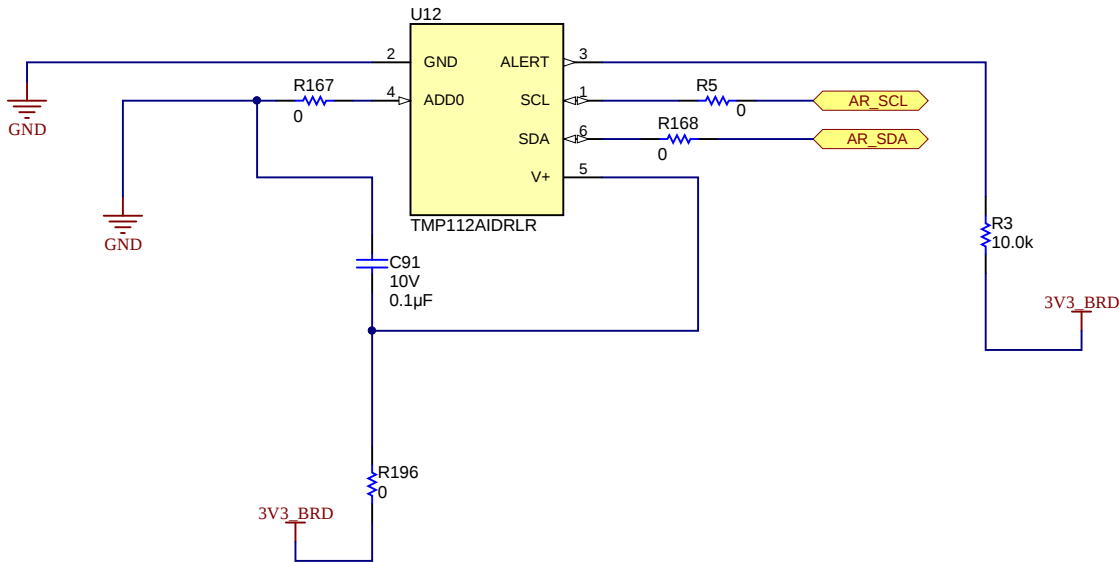
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Number: PROC051	Rev: A	Sheet Title: SOP selection	
SVN Rev: Not in version control		Assembly Variant: 001	Sheet: 15 of 18
Drawn By:		File: SOP selection.SchDoc	Size: B
Engineer: Vivek Dham		Contact: http://www.ti.com/support	

ONBOARD TEMP SENSORS

DEFAULT I2C ADDRESS 0X49
AND MMWAVE DEVICE
TEMP SENSOR AWAY FROM PMIC



DEFAULT I2C ADDRESS 0X48
TEMP SENSOR CLOSE TO PMIC



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Number: PROC051		Rev: A		Sheet Title: Tempsensor	
SVN Rev: Not in version control		Assembly Variant: 001		Sheet: 16 of 18	
Drawn By: Vivek Dham		File: Tempsensor.SchDoc		Size: B	
Engineer: Vivek Dham		Contact: http://www.ti.com/support			

