



ON Semiconductor®

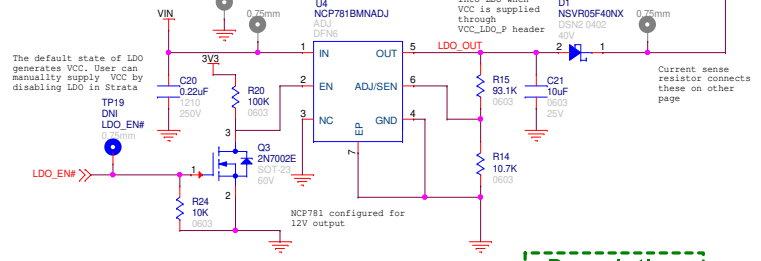
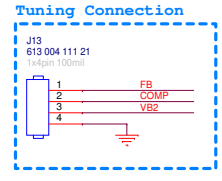
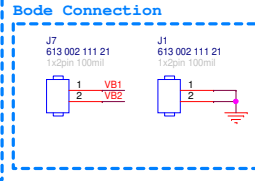
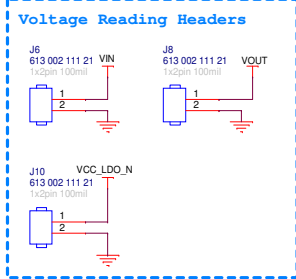
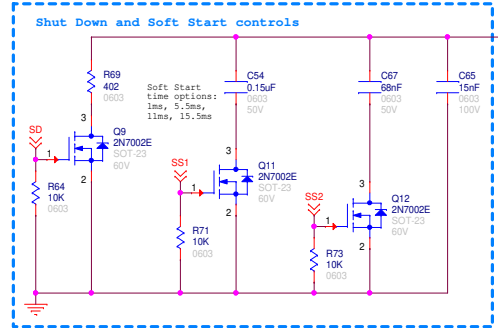
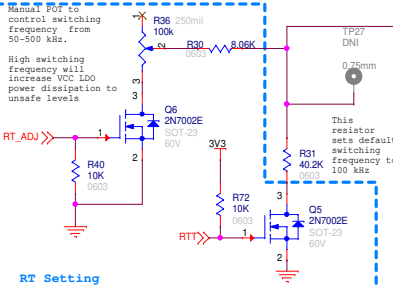
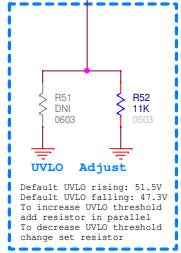
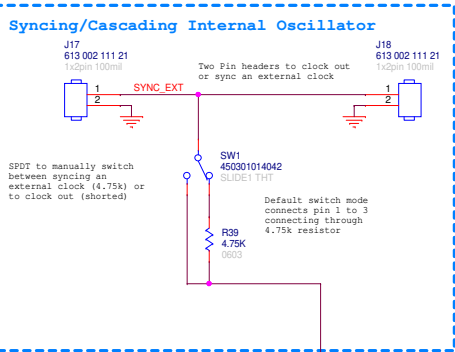
NCP1034 100V Buck Converter Strata Enabled

Comment Legend

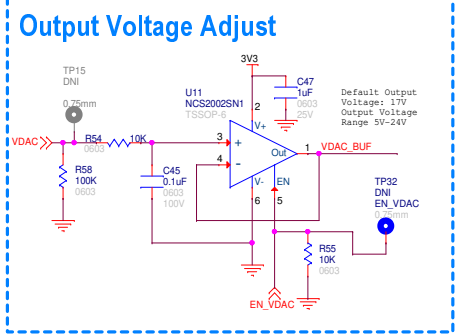
Description Description of circuit that is intended to be evaluated with this PCB.
Optional Circuits that customer could optionally implement yet do not affect PCB purpose.
Not Required Circuits that support the Strata ecosystem that customer would not implement.

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Title NCP1034 100V Buck Converter	Orderable Part Number STR-100V-BUCK-NCP1034-GEVB	
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NCP1034 100V Buck Converter



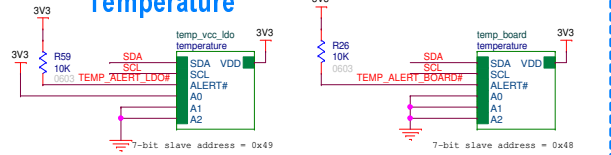
Description
Optional
Not Required



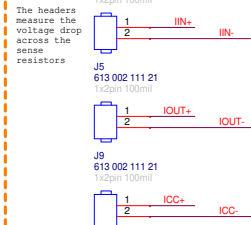
ON Semiconductor		
Title NCP1034 100V Buck Converter	Orderable Part Number STR-100V-BUCK-NCP1034-GEVB	
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Embedded Interface

Temperature

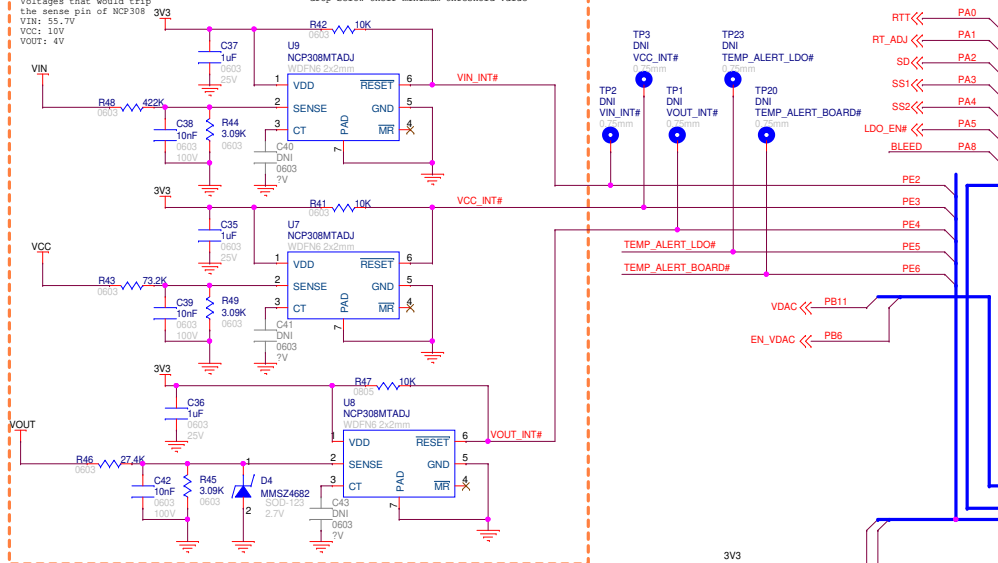


Sense Resistor Voltage

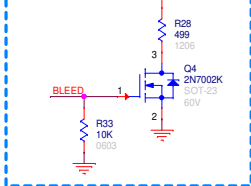


Voltage Interrupts

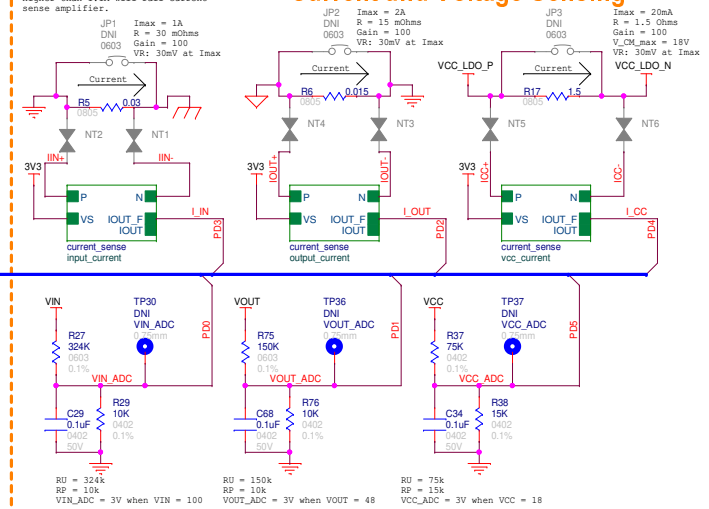
Interrupts to monitor the minimum voltage of VIN, VCC, and VOUT. To inform user if these voltages drop below their minimum threshold value



BLEEDER CIRCUIT



Current and Voltage Sensing



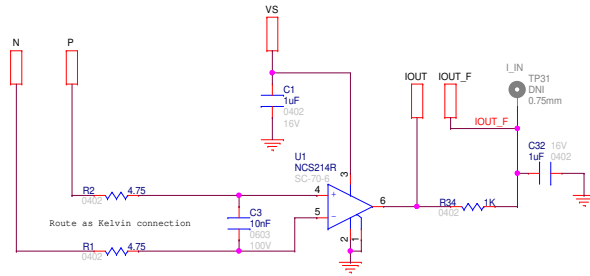
Port pins being used by Strata DO NOT USE THESE PINS!!

SI Labs EFM320G380
 PA = None
 PB = 7, 8, 9, 10, 13, 14
 PC = None
 PD = None
 PE = 10, 14, 15
 PF = 0, 1, 2, 3, 4, 5

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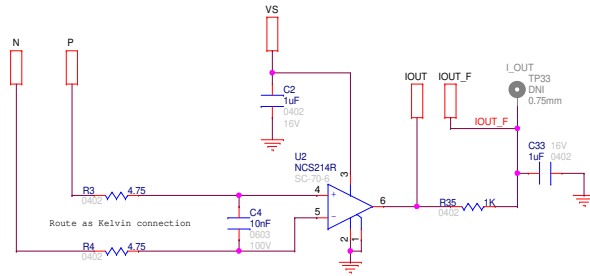
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Current Sense



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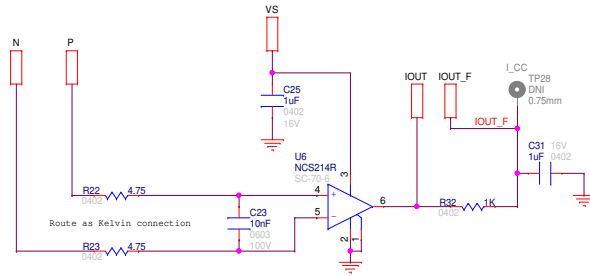
Current Sense



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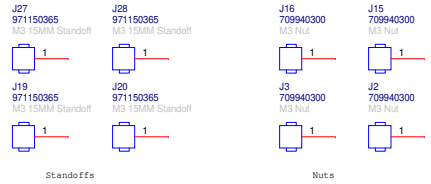
Current Sense



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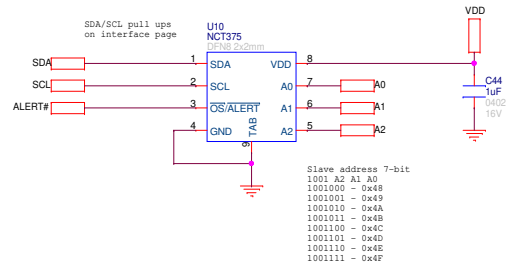
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Mounting Holes, Standoffs, and Nuts



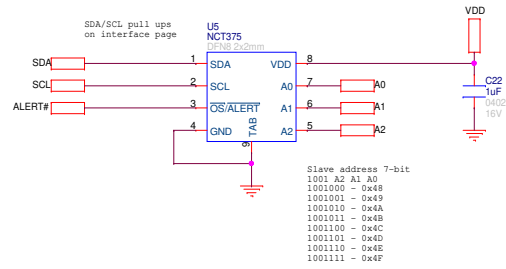
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Temperature



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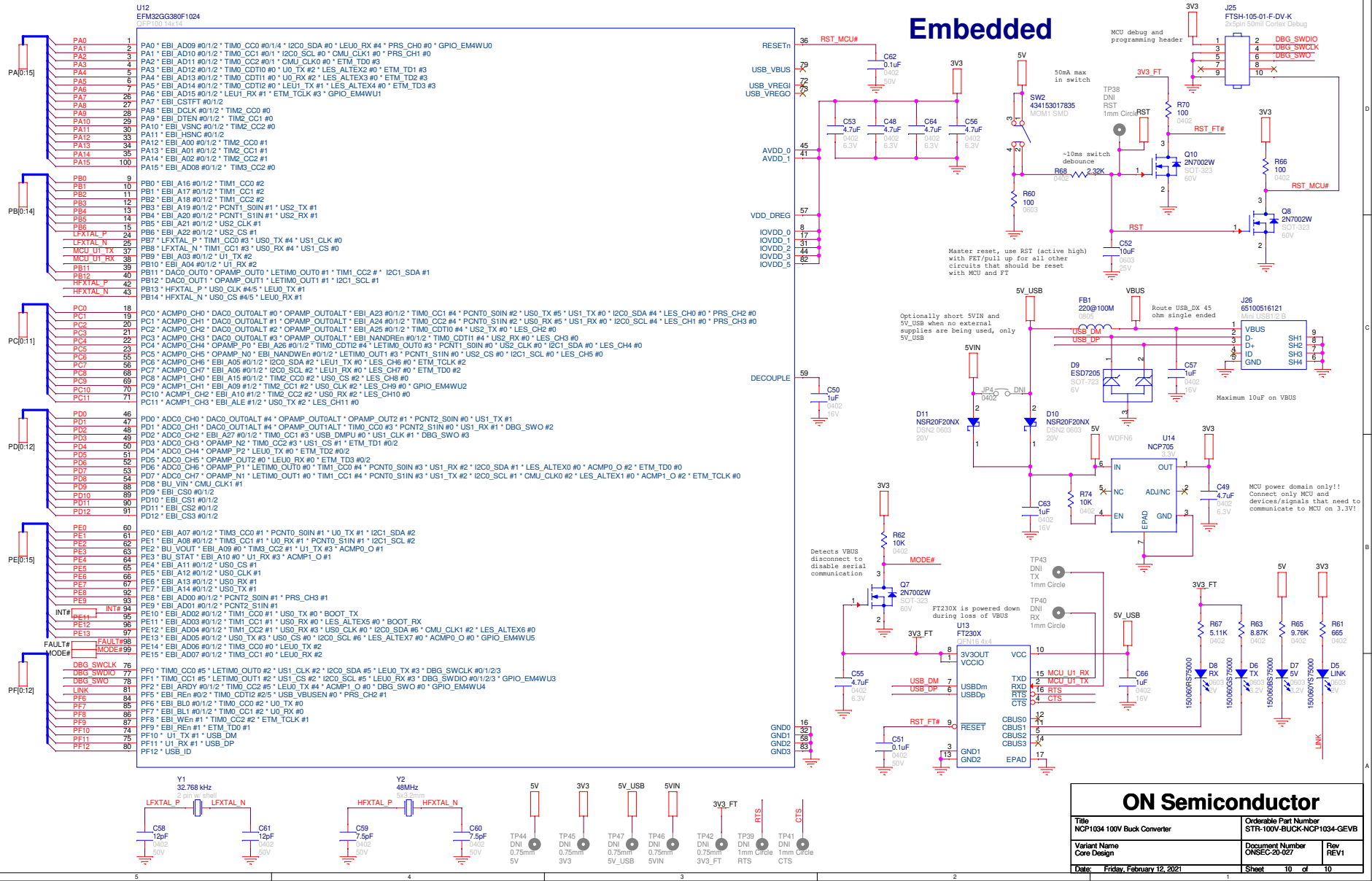
Temperature



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Embedded



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