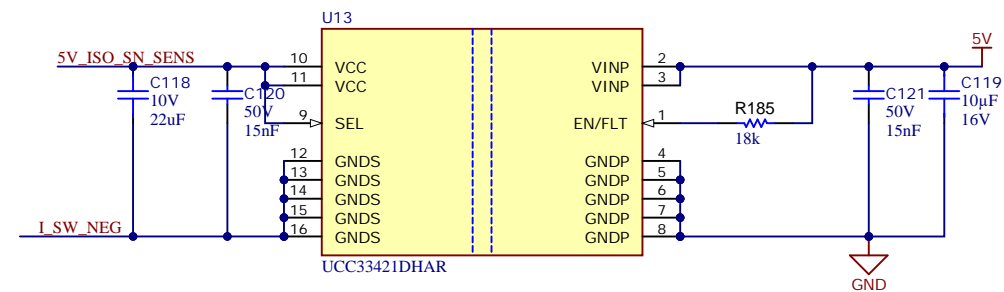
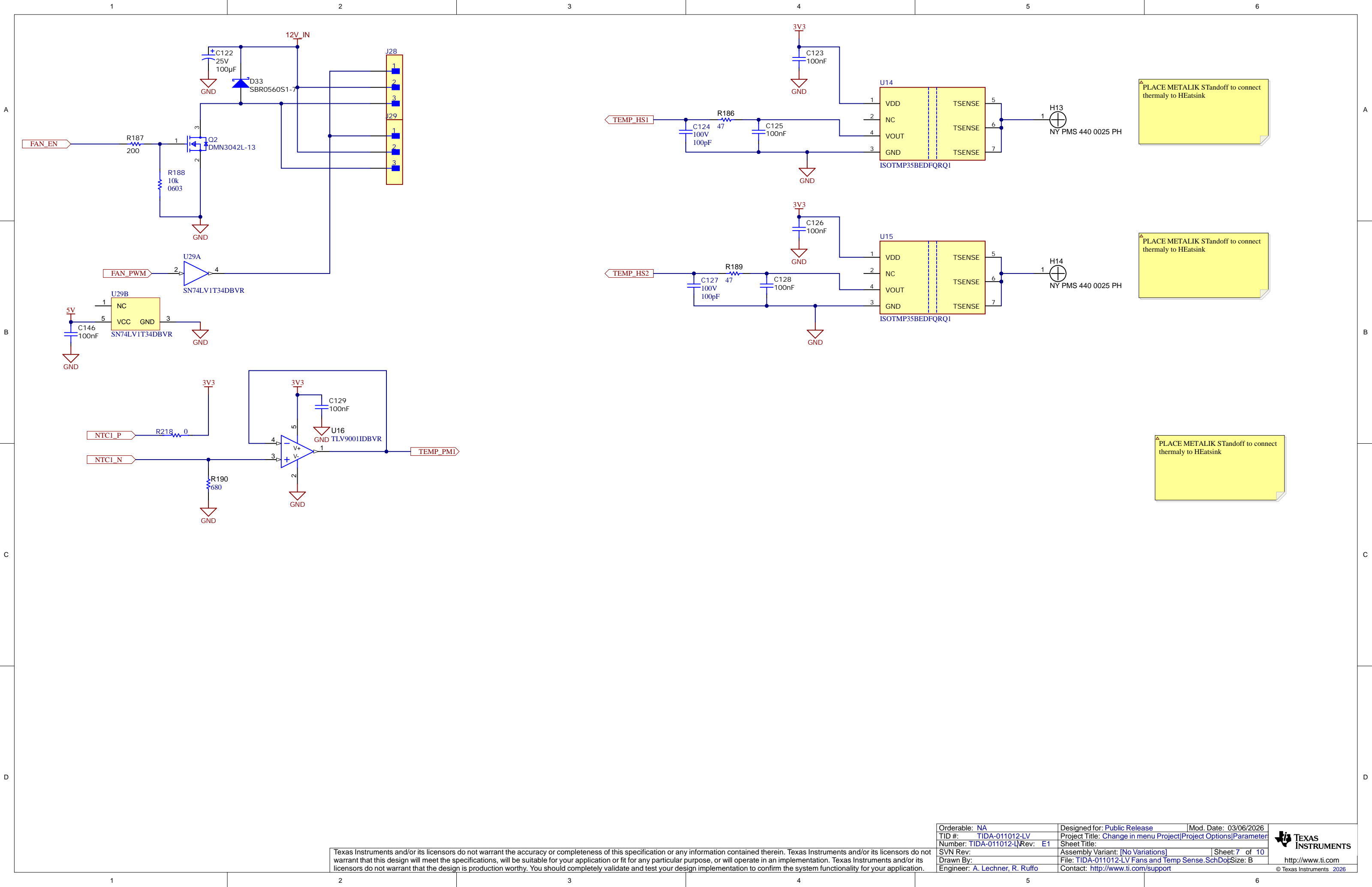


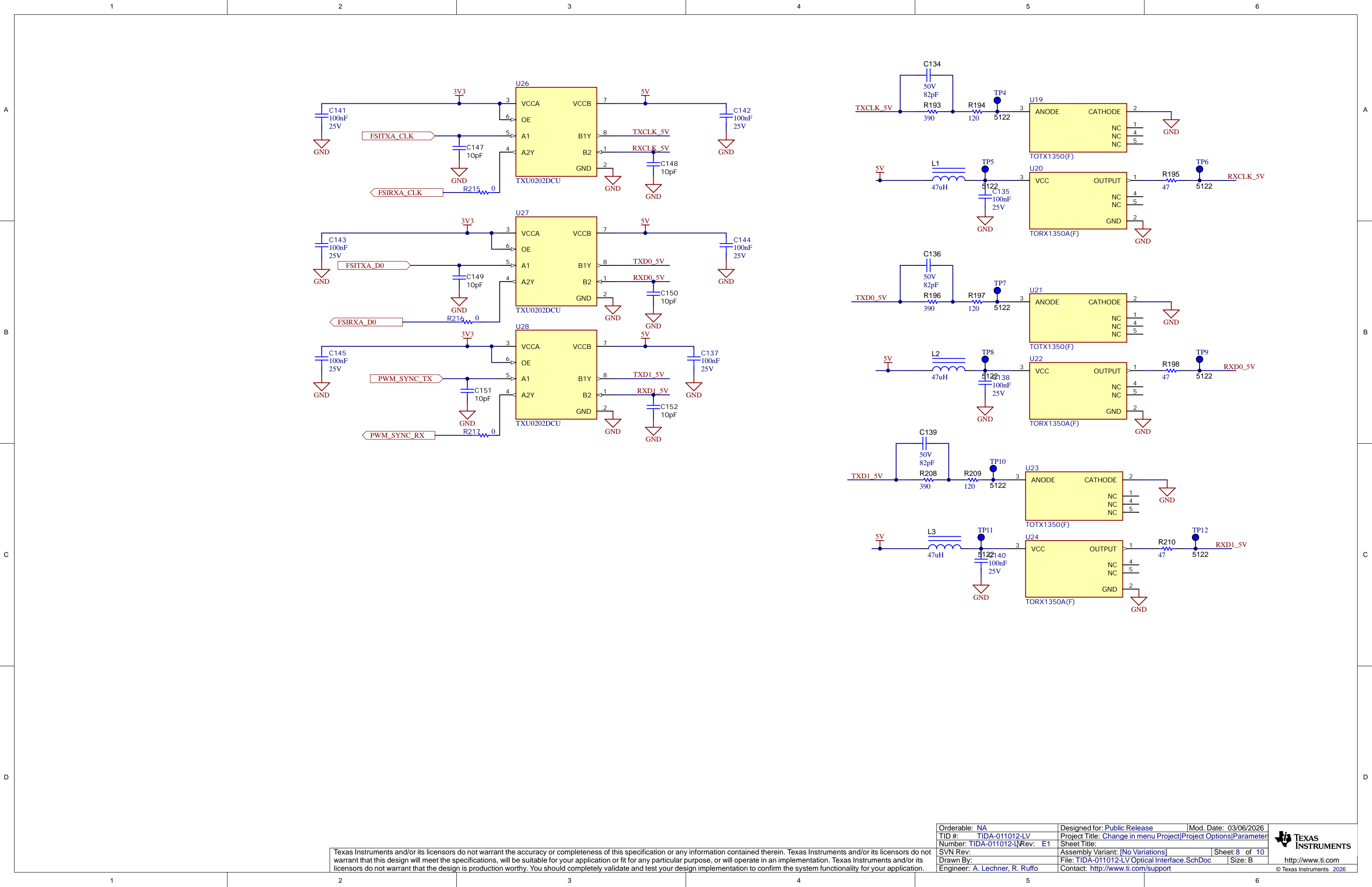
OC Threshold: 100A
 Threshold: 100mV
 $R_{th} = (100mV - 4mV) * 100\mu A = 960 \text{ Ohm} \rightarrow$ select 1k
 Select R and C in current sense input to compensate shunt inductance!
 $L/R = R * C$
 Resistance 1mOhm, Inductance < 3nH.
 $FiltR = 0\text{Ohm} \rightarrow FiltC = 300nF$, select 270nF





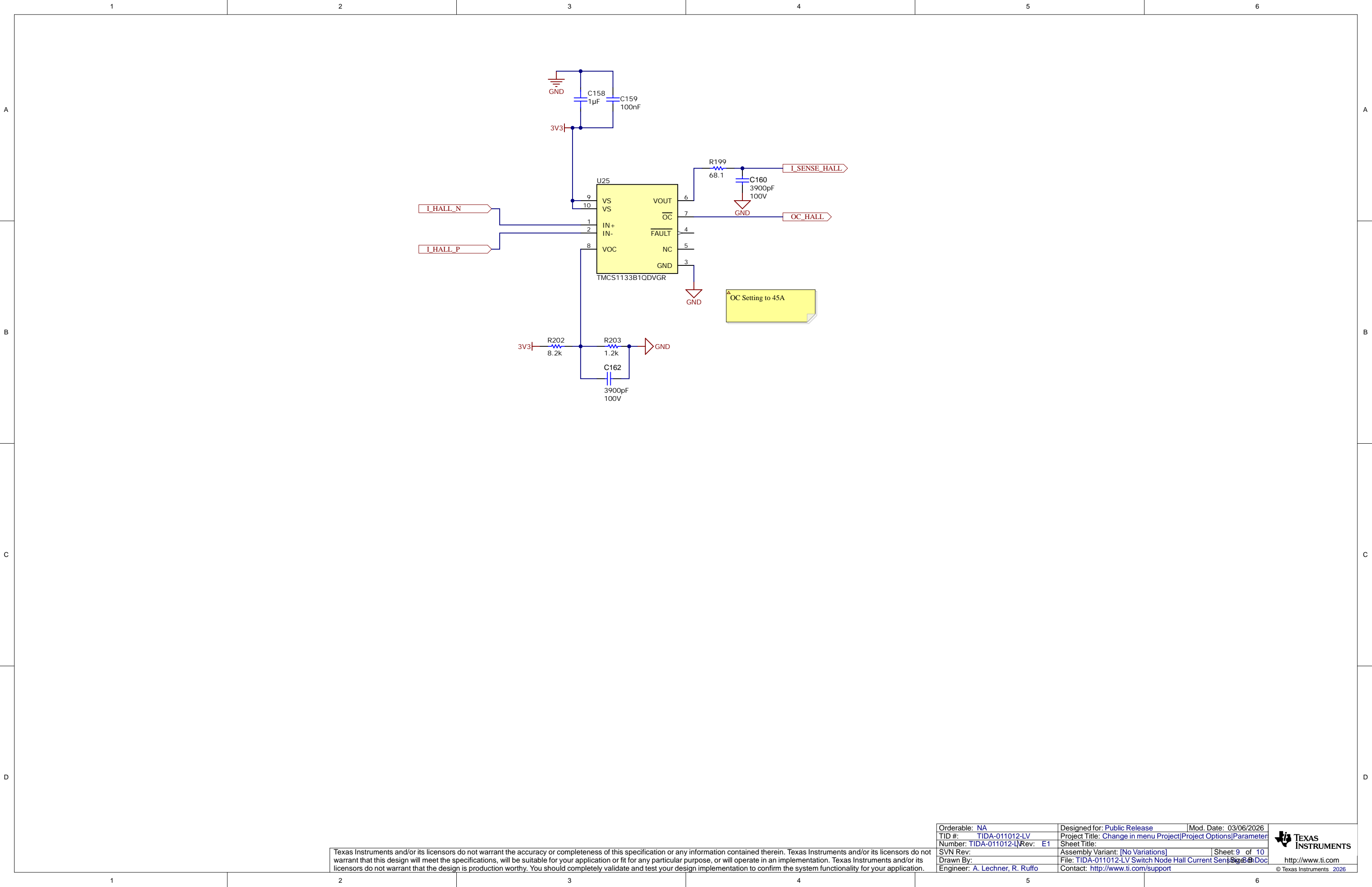
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Orderable: NA	Designed for: Public Release	Mod. Date: 03/06/2026
TID #: TIDA-011012-LV	Project Title: Change in menu Project Project Options Parameter	
Number: TIDA-011012-LV Rev: E1	Sheet Title:	
SVN Rev:	Assembly Variant: [No Variations]	Sheet: 7 of 10
Drawn By:	File: TIDA-011012-LV Fans and Temp Sense.SchDoc	Size: B
Engineer: A. Lechner, R. Ruffo	Contact: http://www.ti.com/support	



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TID #: TIDA-011012-LV	Project Title: Change in menu Project	Project Options Parameter
Number: TIDA-011012-LV	Rev: E1	Sheet Title:
SVN Rev:	Assembly Variant: [No Variations]	Sheet: 8 of 10
Drawn By:	File: TIDA-011012-LV Optical Interface.SchDoc	Size: B
Engineer: A. Lechner, R. Ruffo	Contact: http://www.ti.com/support	



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TID #: TIDA-011012-LV	Project Title: Change in menu Project	Project Options Parameter
Number: TIDA-011012-LV	Rev: E1	Sheet Title:
SVN Rev:	Assembly Variant: [No Variations]	Sheet: 9 of 10
Drawn By:	File: TIDA-011012-LV Switch Node Hall Current Sense	Size: 8.5 Doc
Engineer: A. Lechner, R. Ruffo	Contact: http://www.ti.com/support	

