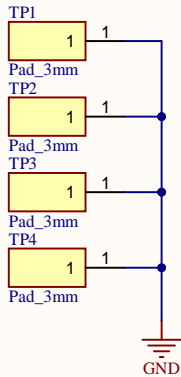
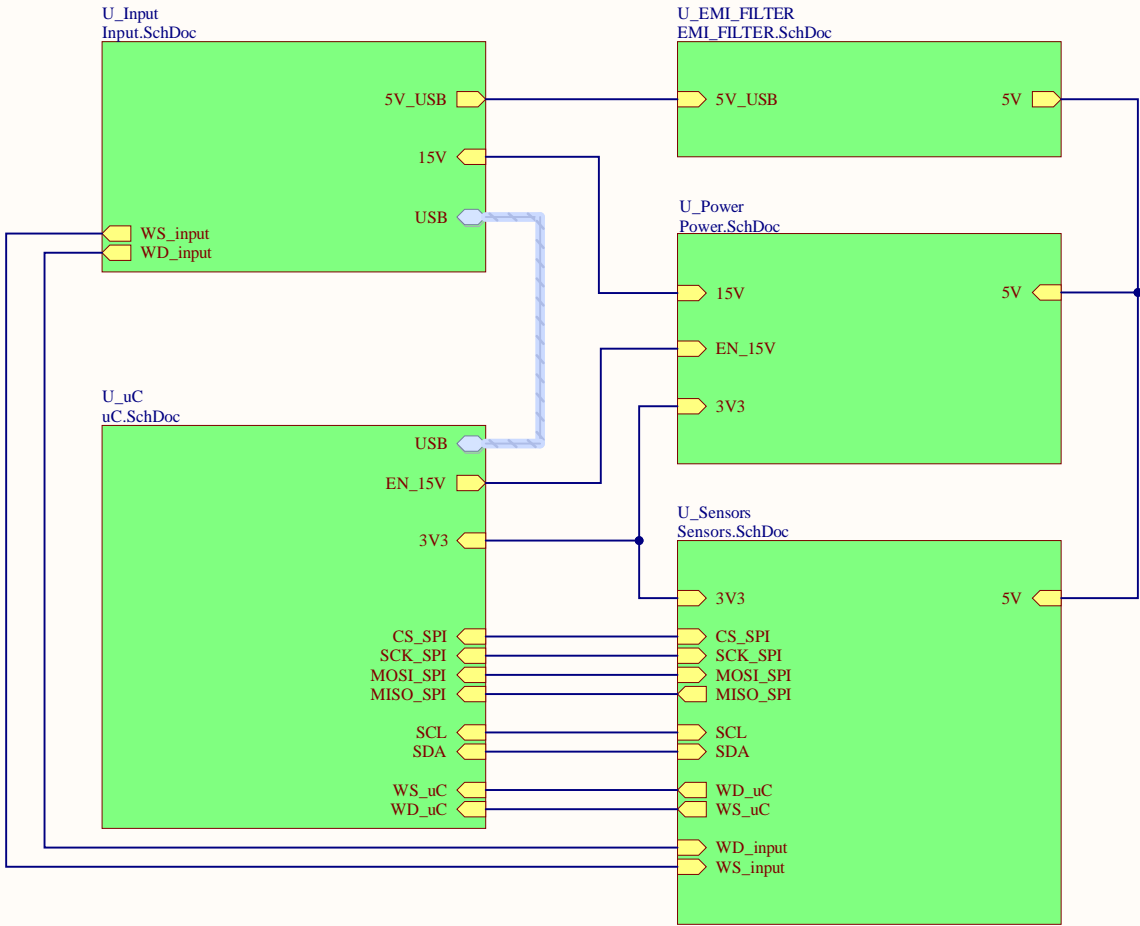


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DWG. NO. REV. SHT 1

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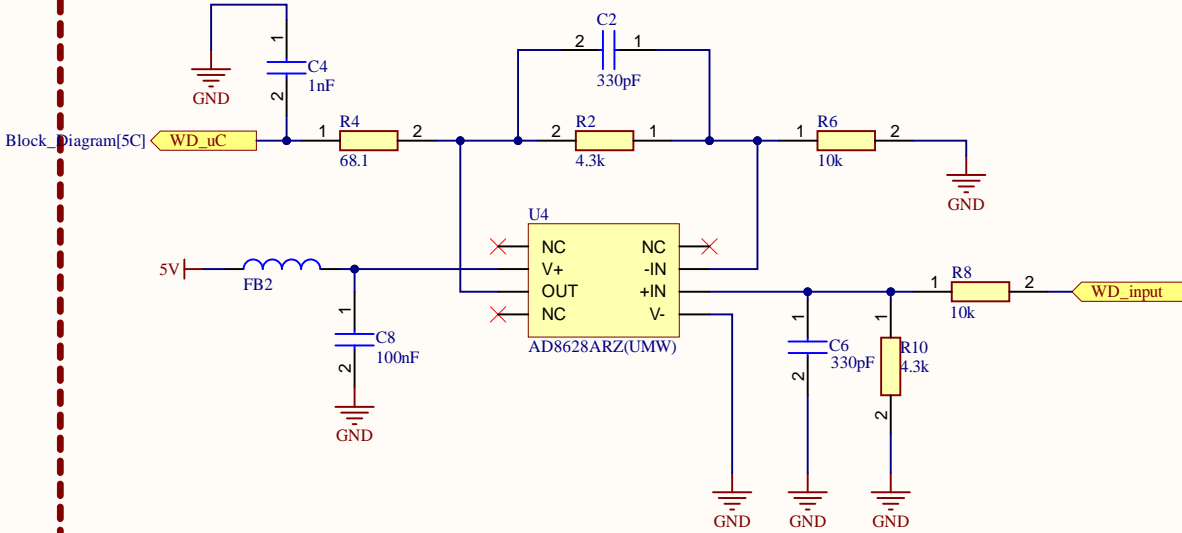
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FAB DWG:		B		REV
PCB DWG:		SCALE:	FILE NAME	SHEET 1 OF 6
		Block_Diagram.SchDoc		

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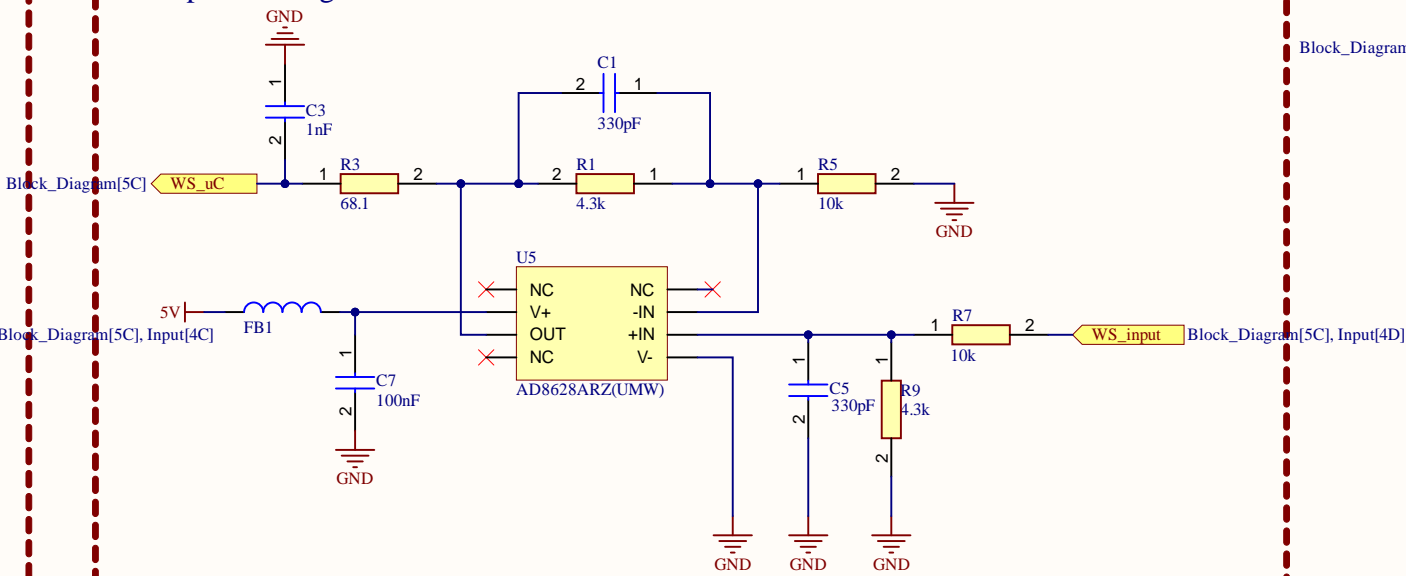
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REVISION	DESCRIPTION	DATE	APPROVED

Wind direction analog:

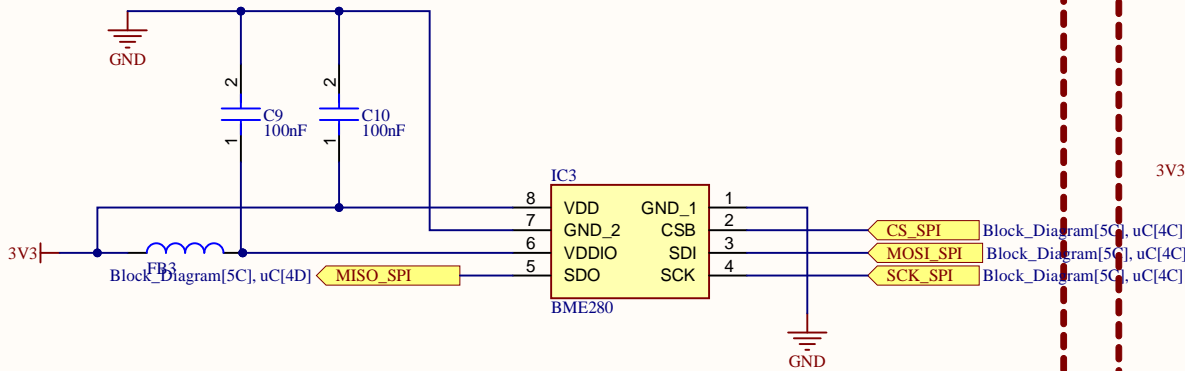


Wind speed analog:

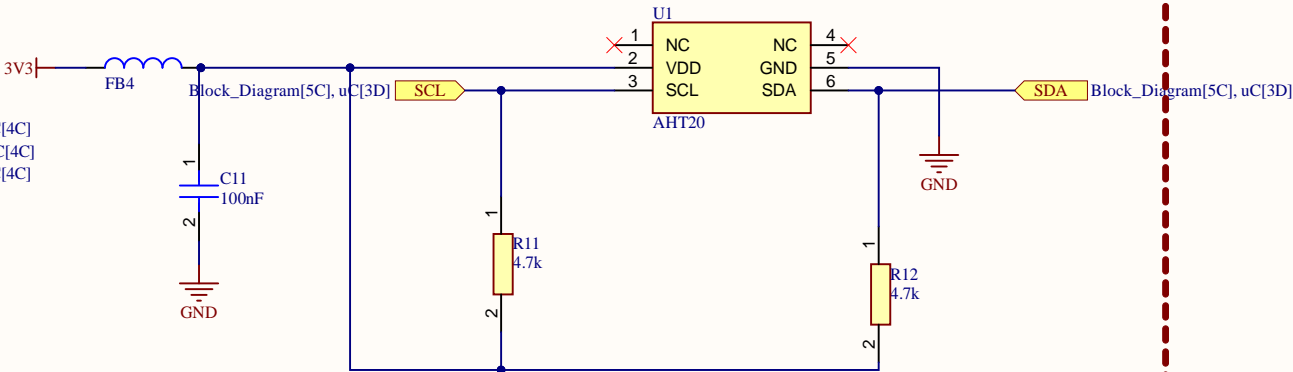


Air quality sensor:

Temperature, pressure, humidity (+20% drift)



Humidity sensor



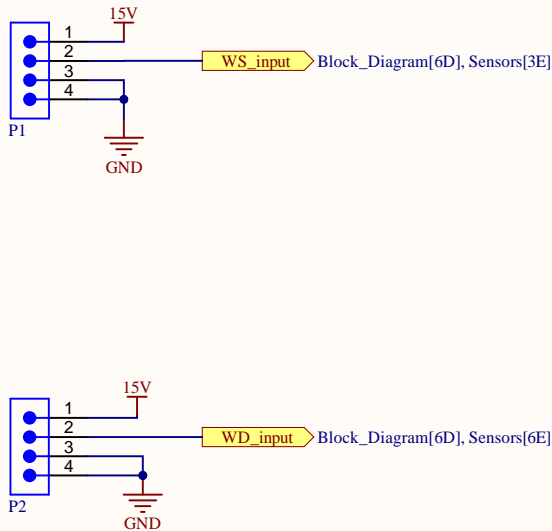
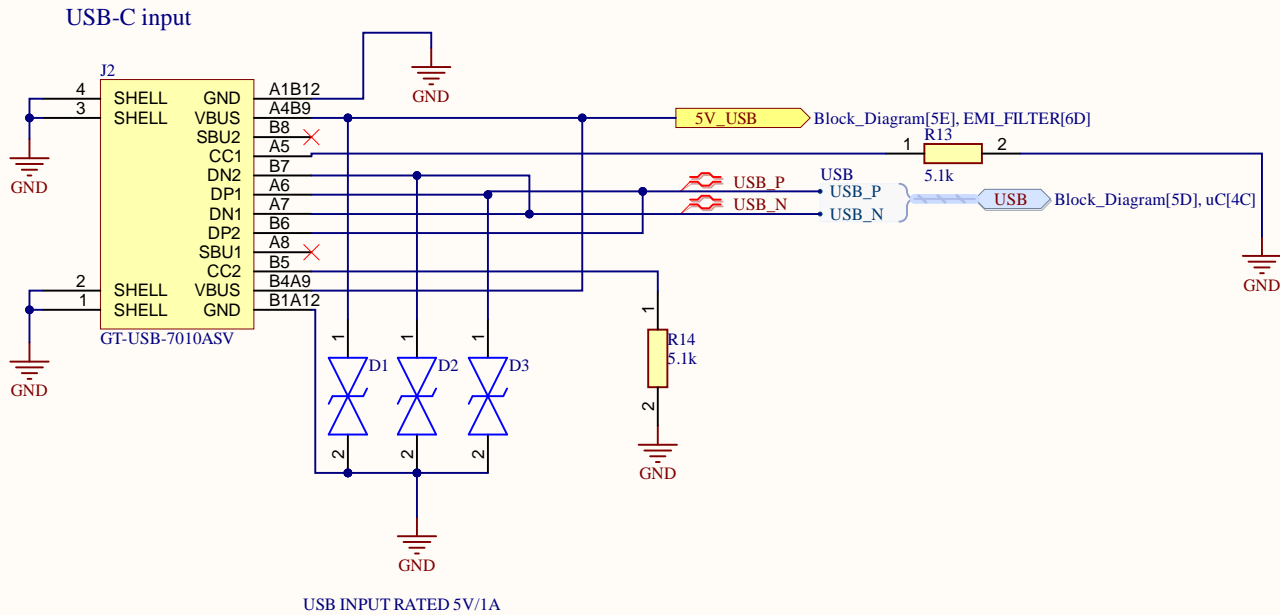
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			Sensors.SchDoc		

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REVISION	DESCRIPTION	DATE	APPROVED

Block_Diagram[5E], Power[8D] 15V

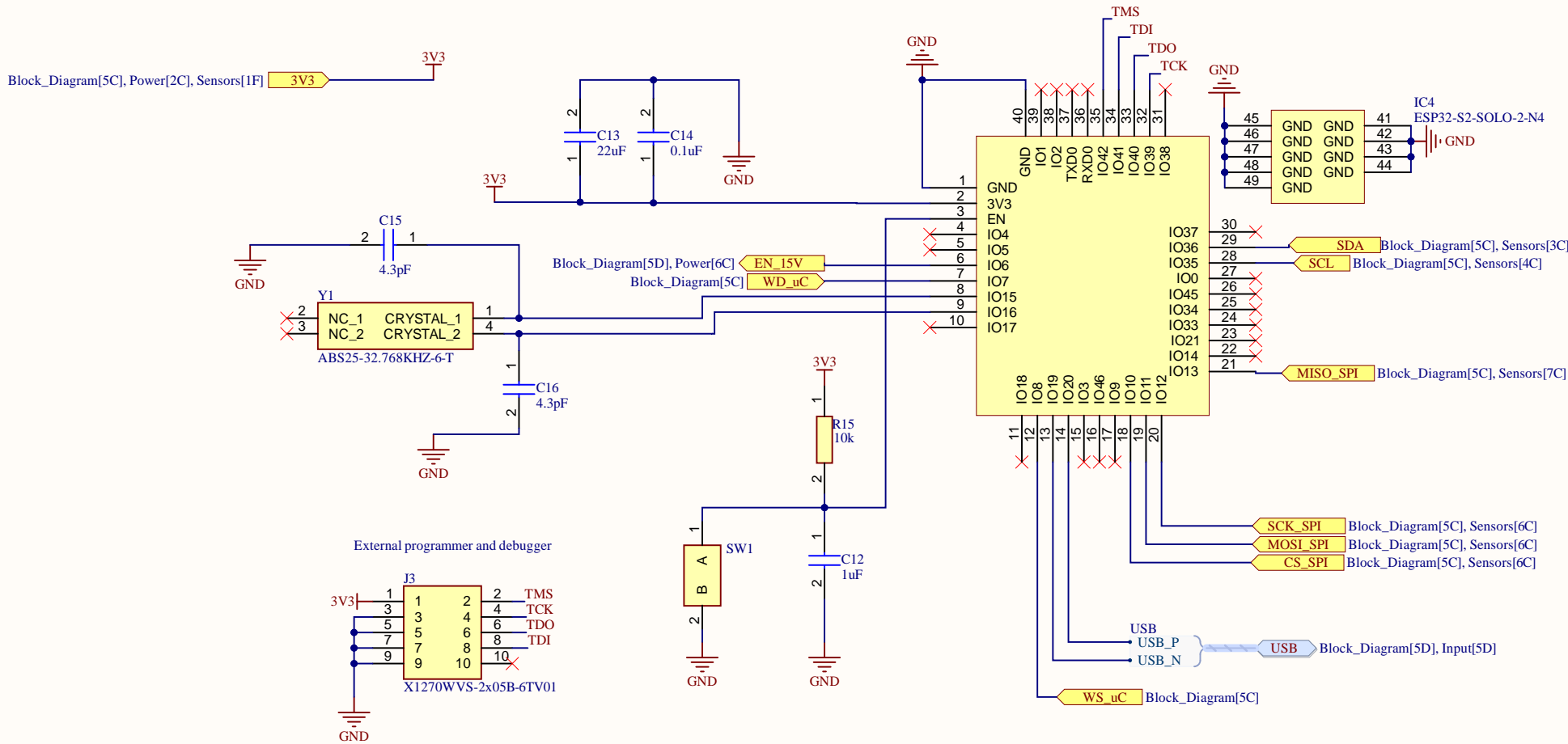


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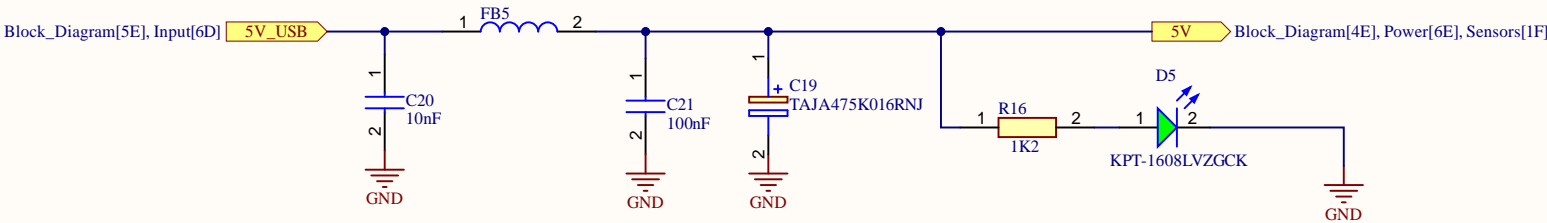
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			uC.SchDoc	

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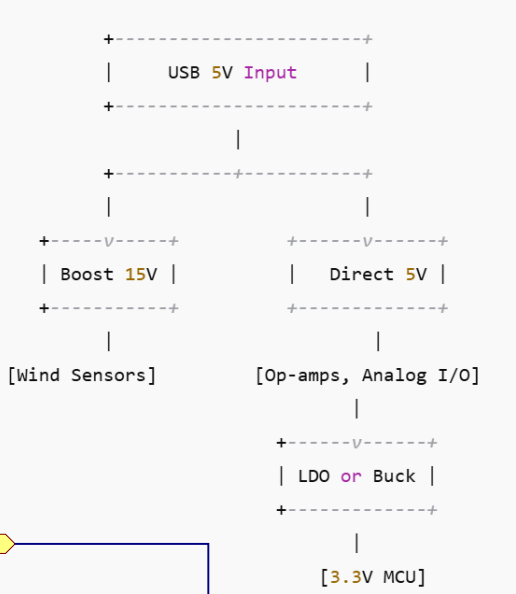


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DWG. NO. REV. SMT

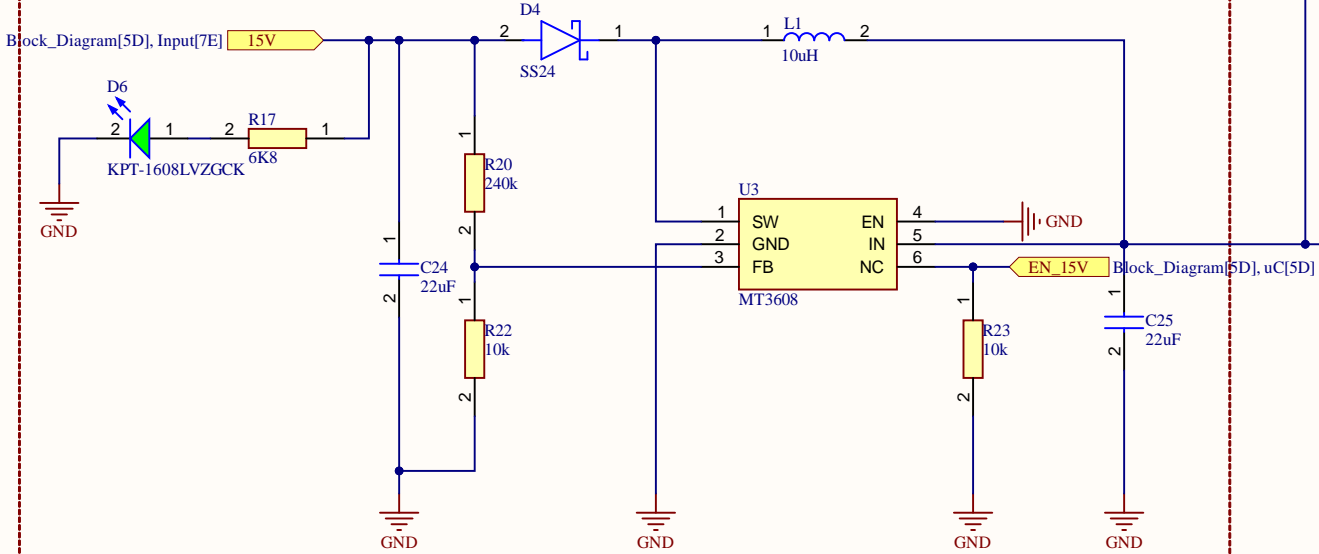
REVISION	DESCRIPTION	DATE	APPROVED



Block_Diagram[4D], EMI_FILTER[3D], Sensors[1F]

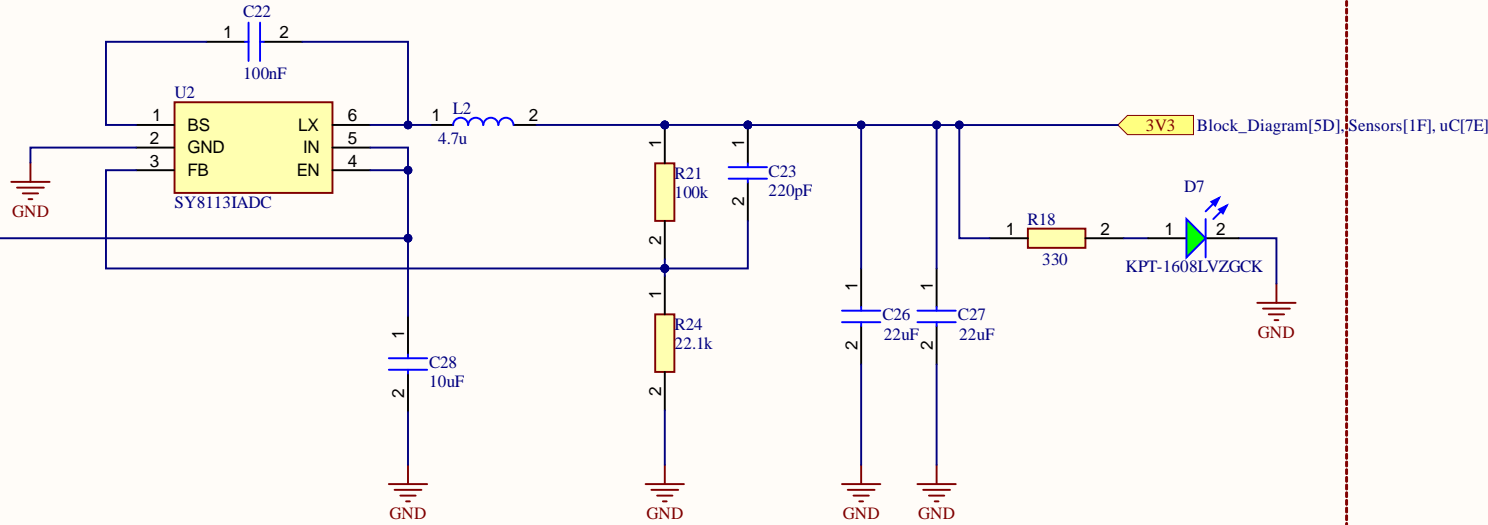
5V

Boost 5V - 15V



$$V_{out} = V_{ref} * (1 + R1/R2) ; \quad R2 = 10K, \quad V_{ref} = 0.6V, \quad V_{out} = 15V$$
$$R1 = (R2 * (V_{out} - V_{ref})) / V_{ref} = (10K * (15 - 0.6)) / 0.6 = 240K$$

Buck 5V - 3.3V



Block_Diagram[5D], Sensors[1F], uC[7E]

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ENG: *		--/--/---	*				ADDRESS 2	
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