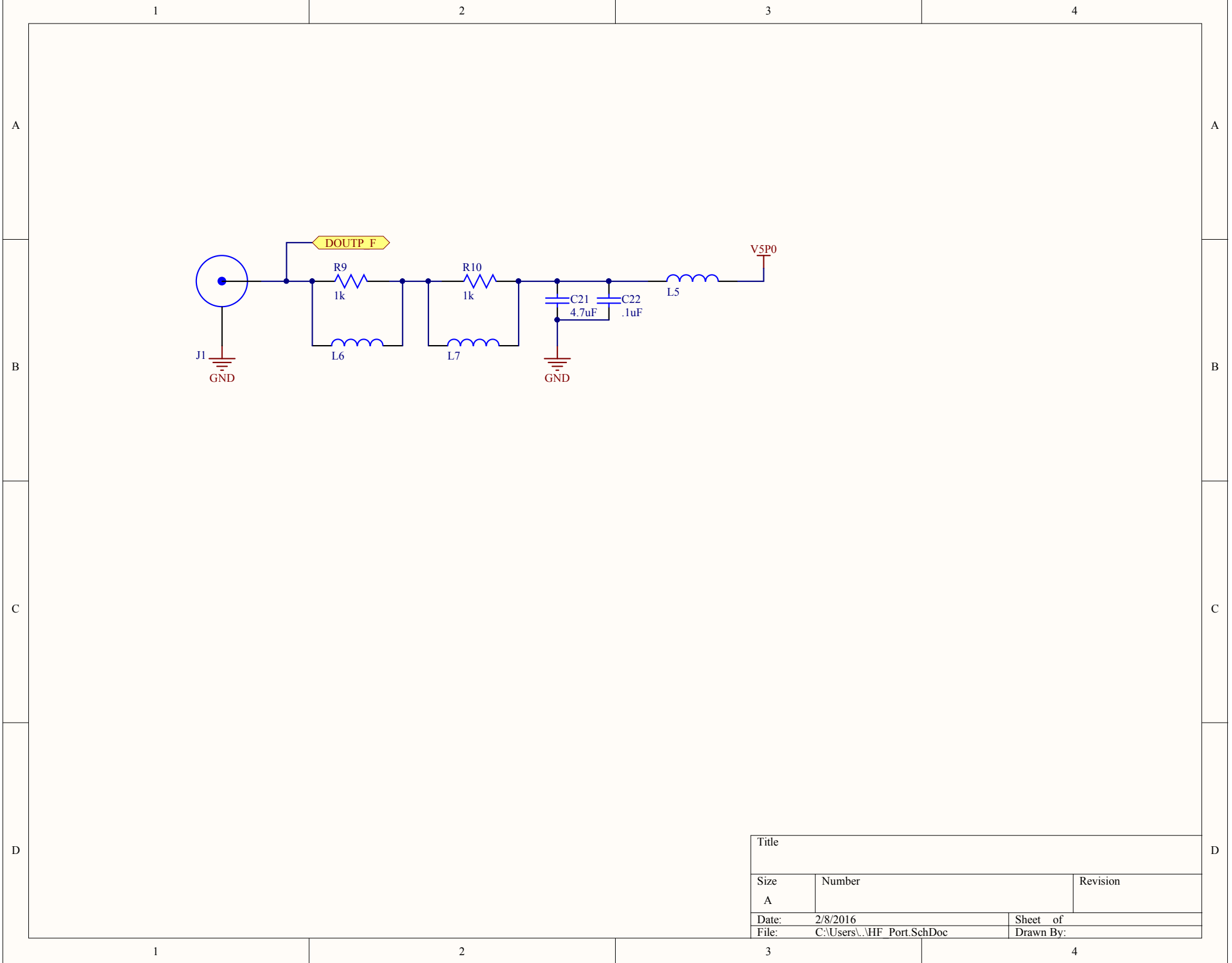
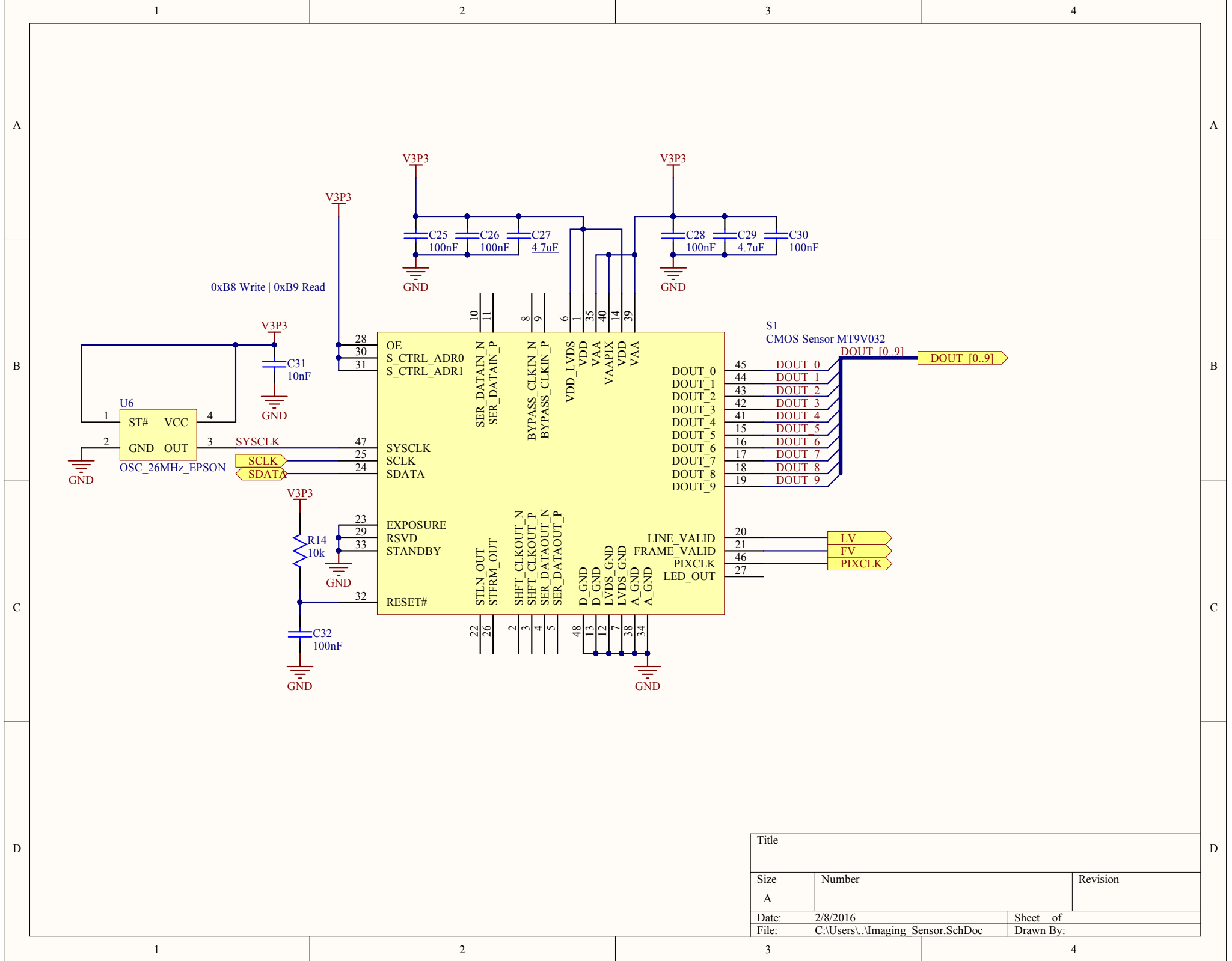
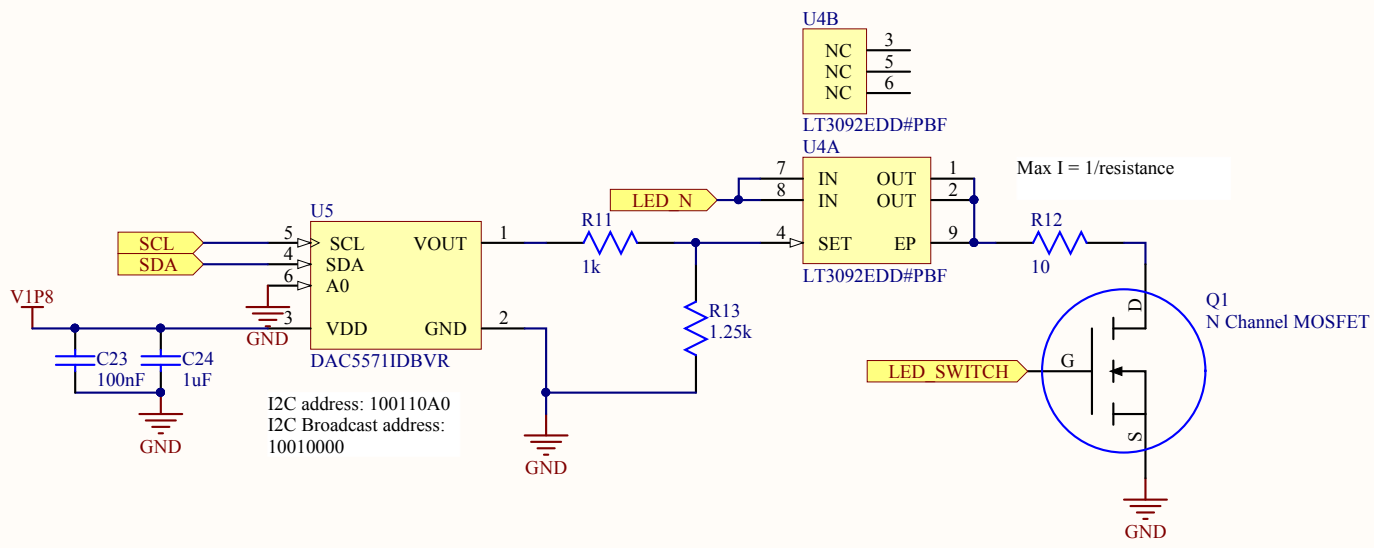


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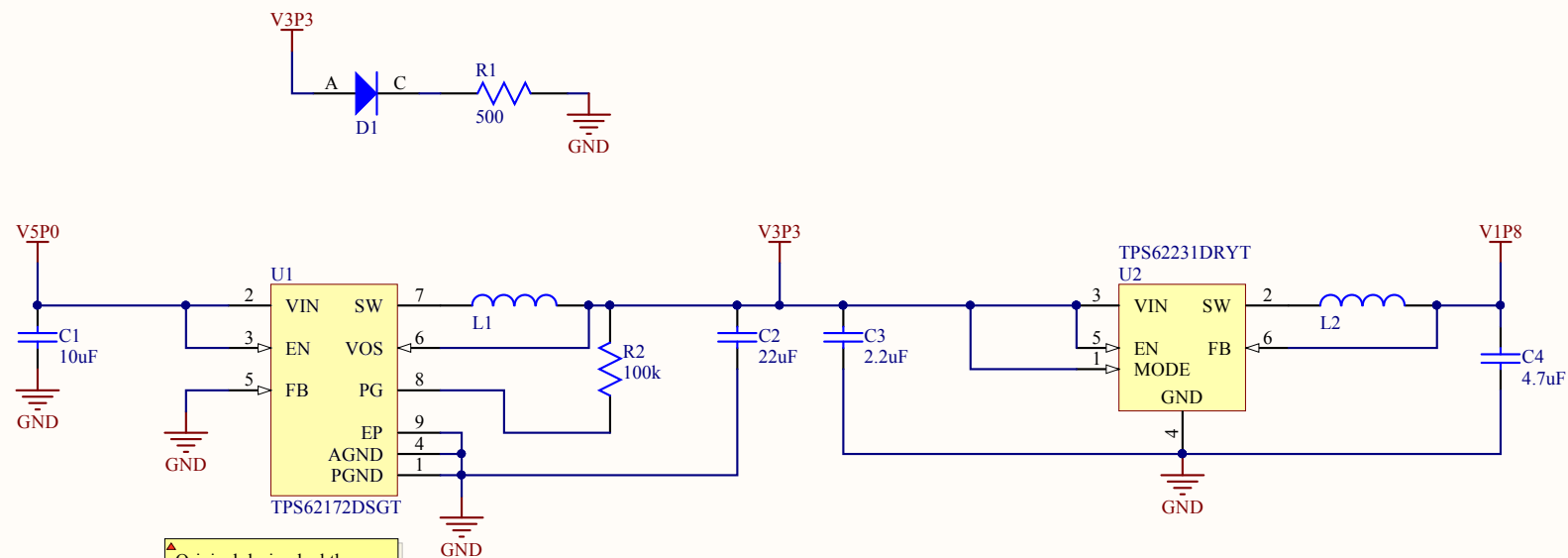




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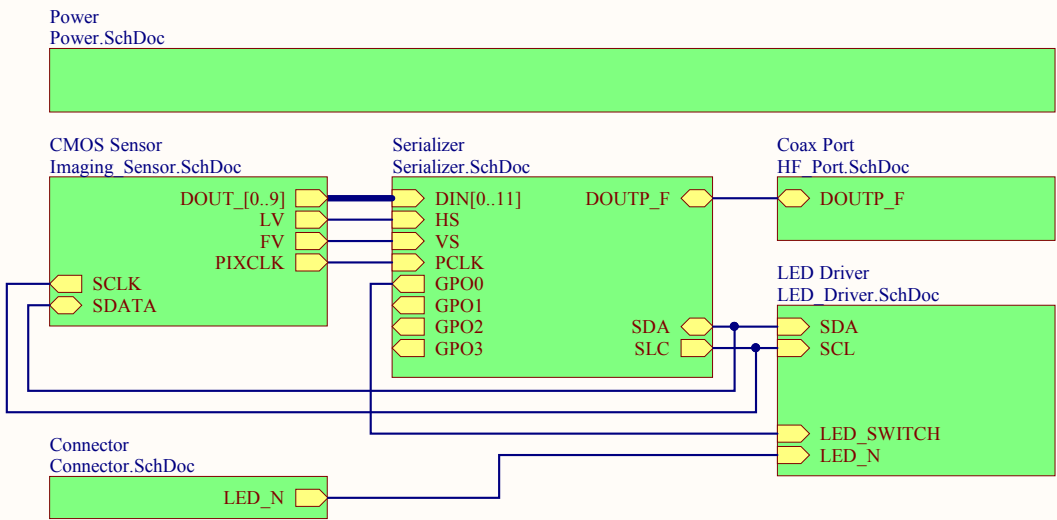


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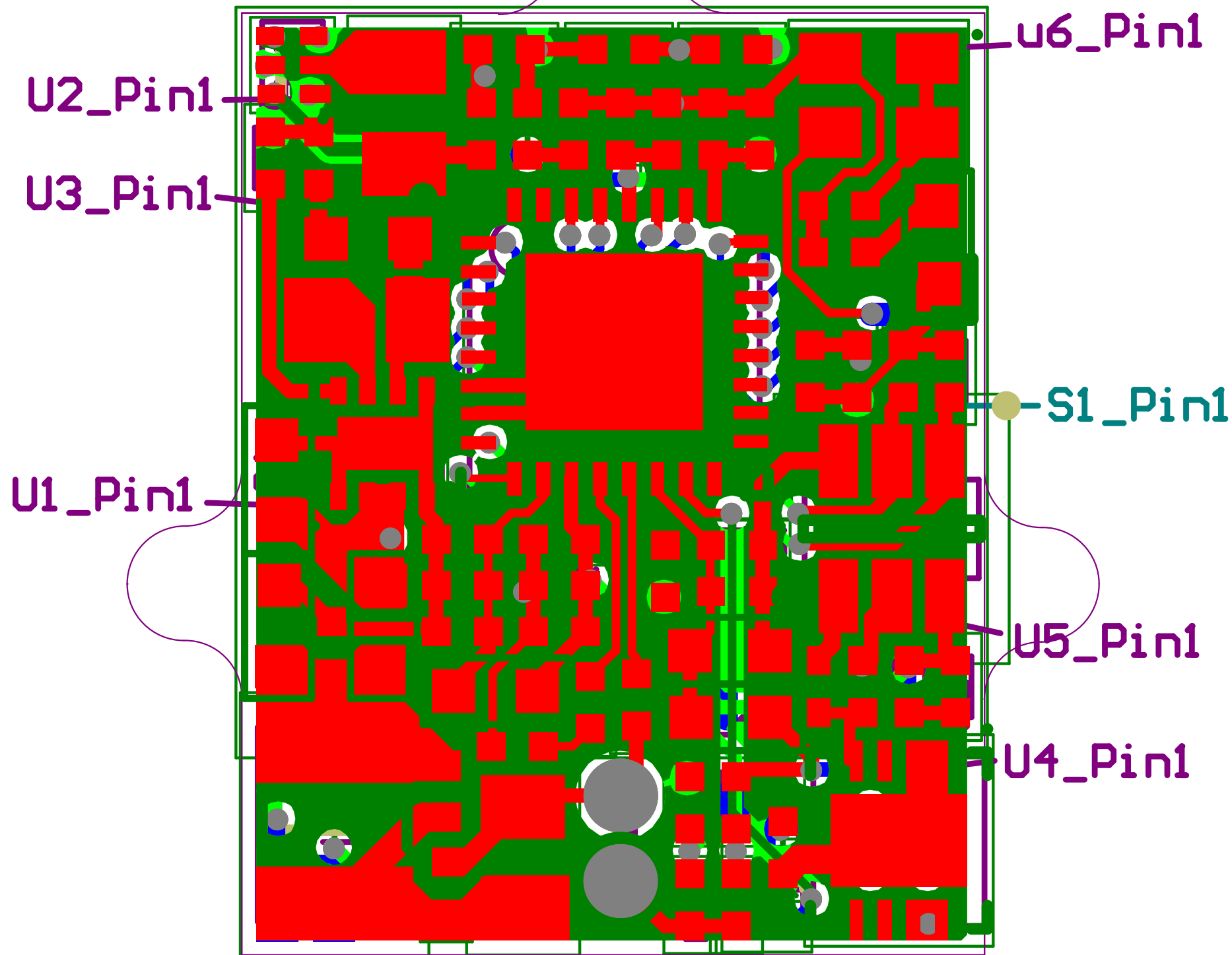


Original design had the TPS62170 which was incorrect. Make sure BOM has the fixed 3.3V output version.

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File:	C:\Users\...\Power.SchDoc	Drawn By:



Title		
Size	Number	Revision
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Date:	2/8/2016	Sheet of
File:	C:\Users\...\Serializer_System.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
10uF		C1	SMD Capacitor 0603	Capacitor	1
22uF		C2, C17	SMD Capacitor 0603	Capacitor	2
2.2uF		C3	SMD CAP 0402	Capacitor	1
4.7uF		C4, C9, C12, C20, C27, C29	SMD CAP 0402	Capacitor	6
0.1uF		C5, C7, C10, C13, C15, C18	SMD CAP 0402	Capacitor	6
0.01uF		C6, C8, C11, C14, C16	SMD CAP 0402	Capacitor	5
0.047uF		C19	SMD CAP 0402	Capacitor	1
4.7uF		C21	SMD Capacitor 0603	Capacitor	1
.1uF		C22	SMD CAP 0402	Capacitor	1
100nF		C23, C25, C26, C28, C30, C32	SMD CAP 0402	Capacitor	6
1uF		C24	SMD CAP 0402	Capacitor	1
10nF		C31	SMD CAP 0402	Capacitor	1
LED 0603	LTST_C195TBJRKT	D1	LED_0603	LED 0603	1
Coax Connector		J1	Coax Direct Solder ThroughHoles	Coax Connector	1
2 Pin Connector		J2	2pin smd pad for LED connector	2 Pin Connector	1
Ferrite Bead		L1, L2	LQM21PN2R2MC0D	Ferrite Bead	2
Ferrite Bead		L3, L4, L5	BLM18KG601SN1D	Ferrite Bead	3
Ferrite Bead		L6	CIG21L4R7MNE	Ferrite Bead	1
Ferrite Bead		L7	CBC3225T101MR	Ferrite Bead	1
N Channel MOSFET	N Channel MOSFET	Q1	NTK3134N	N Channel MOSFET	1
500		R1	SMD RES 0402	Resistor	1
100k		R2, R6	SMD RES 0402	Resistor	2
49.9		R3	SMD RES 0402	Resistor	1
10k		R4, R5, R14	SMD RES 0402	Resistor	3
3.3k		R7, R8	SMD RES 0402	Resistor	2
1k		R9, R10, R11	SMD RES 0402	Resistor	3
10		R12	SMD RES 0402	Resistor	1
1.25k		R13	SMD RES 0402	Resistor	1
CMOS Sensor MT9V032	CMOS Sensor MT9V032	S1	CMOS Sensor MT9V032_HD	CMOS Sensor MT9V032	1
TPS62172DSGT	Buck Step Down Regulator with 3 to 17 V Input and 0.9 to 6 V Output, -40 to 85 degC, 8-Pin WSON (DSG), Green (RoHS & no Sb/Br)	U1	DSG8-1600X900TP	TPS62170DSGT	1
TPS62231DRYT	Buck Step Down Regulator with 2.05 to 6 V Input and 1.8 V Output, -40 to 85 degC, 6-Pin SON (DRY), Green (RoHS & no Sb/Br)	U2	DRY6	TPS62231DRYT	1
DS90UR913A	DS90UR913ASERIALIZER	U3	WQFN32 for DS90UB913A	DS90UR913A	1
LT3092EDD#PBF	200 mA Two-Terminal Programmable Current Source, 0.3 mA Isupply, 8-pin SON (DD-8), -40 to 125 degC, Pb-Free	U4	LT-DD-8_V	LT3092EDD#PBF	1
DAC5571IDBVR	Low-Power, 8-Bit DAC with High-Speed I2C Input, -40 to 105 degC, 6-pin SOT23 (DBV6), Green (RoHS & no Sb/Br)	U5	TI-DBV6_M	DAC5571IDBVR	1
OSC_26MHz_EPSON	OSC_26MHz_EPSON	U6	OSC SG_211SCE 26MHz	OSC_26MHz_EPSON	1