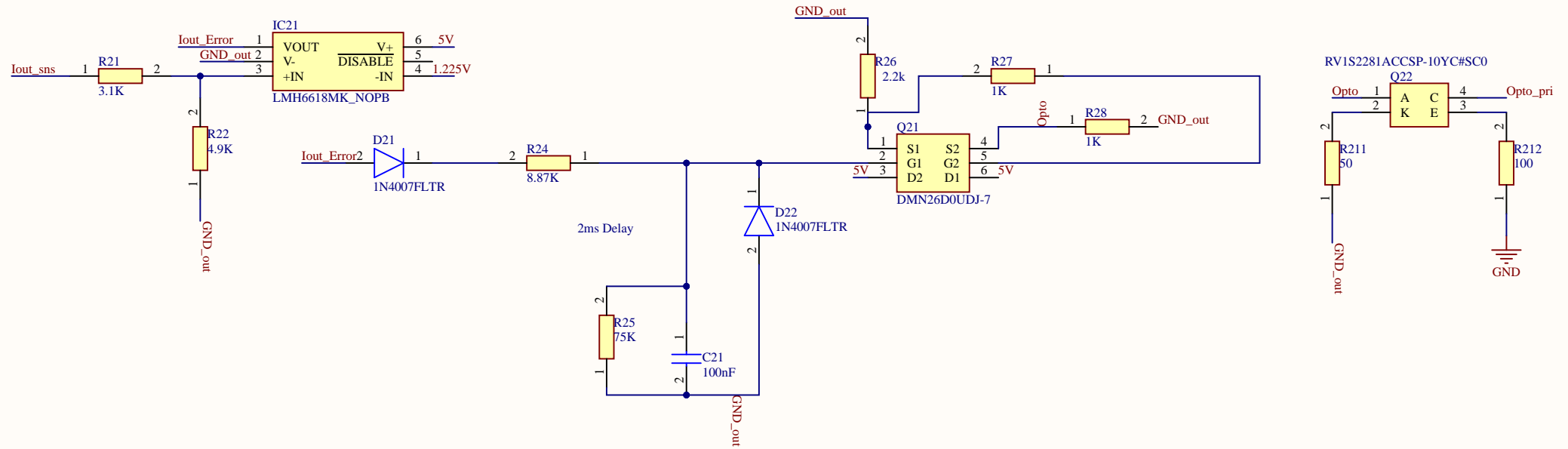
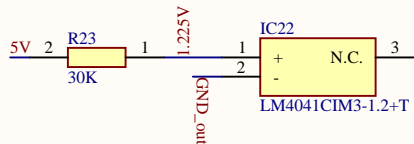


Title		
Size	Number	Revision
A4		
Date:	7.01.2021	Sheet of
File:	C:\Users\...\Power.SchDoc	Drawn By:

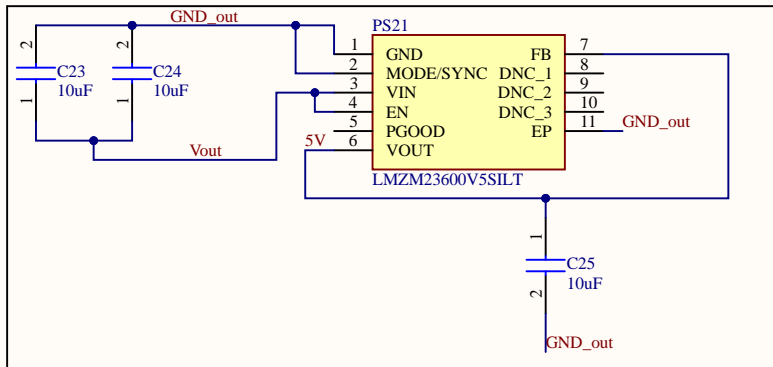
## Output Overcurrent Protection



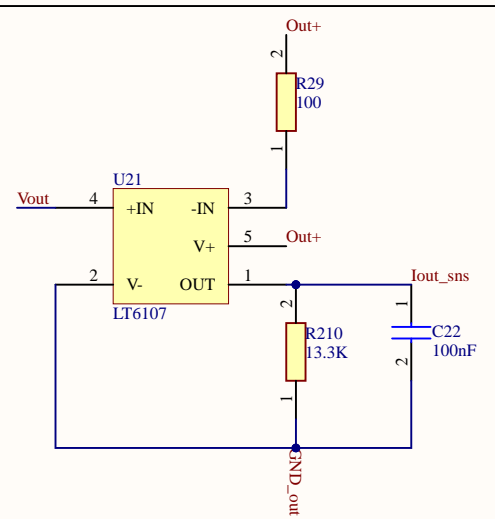
## 1.225V Reference Voltage



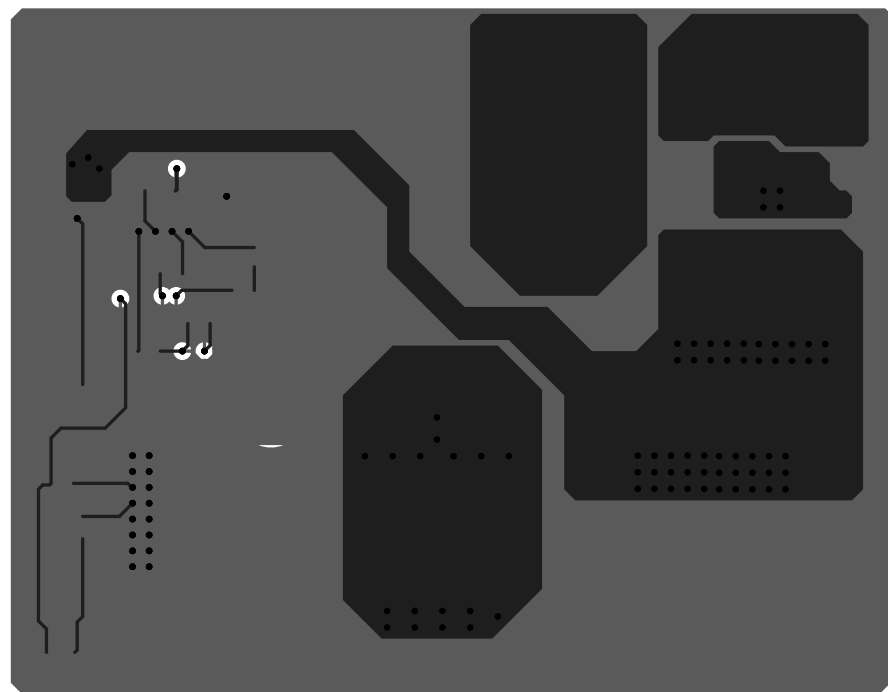
## 5V Switching Regulator



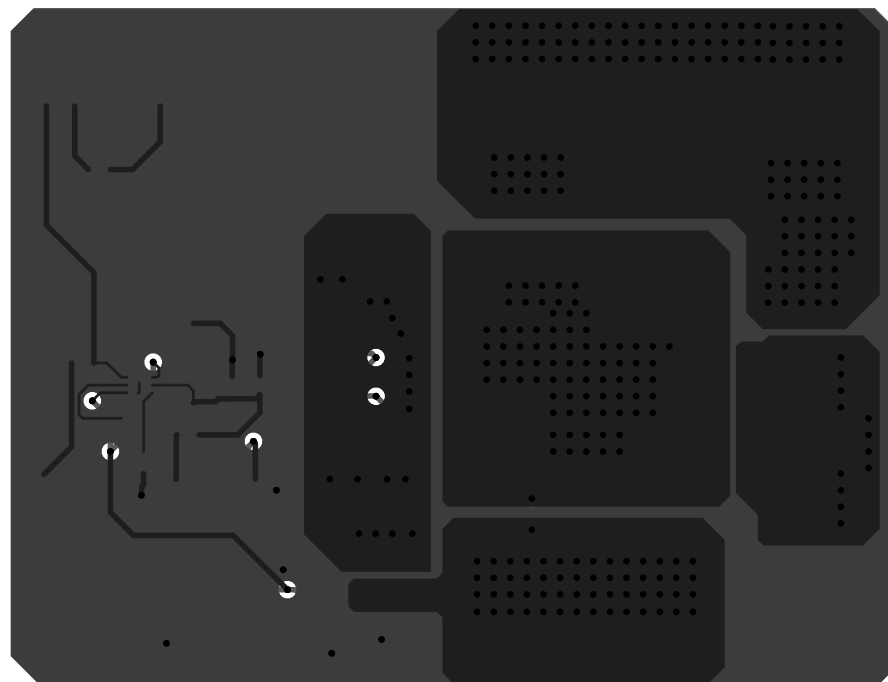
## Output Current Sense



Title		
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File:	C:\Users\...\Control.SchDoc	Drawn By:



41.148 (mm)



66.443 (mm)

Comment	Description	Designator	Footprint	LibRef	Quantity
C0402	Capacitor	C11, C14	CAPC1005X55N	C0402C829D3GACTU	2
C0603	Capacitor	C12, C13	CAPC1608X90N	CC0603KRX7R7BB103	2
100uF		C15, C16, C17	CAPAEDH107M016A9G	CAPEDH107	3
Cap Semi	Capacitor (Semiconductor SIM Model)	C18, C19	C1206	Cap Semi	2
100nF	Capacitor	C21, C22	CAPC1005X55N	C0402C829D3GACTU	2
10uF	Capacitor	C23, C24, C25, C111, C112, C113, C114	CAPC2012X145N	GCG21BR71H154KA01K	7
1uF	Capacitor	C110, C115, C116, C117	CAPC1608X90N	CC0603KRX7R7BB103	4
C0805	Capacitor	C118	CAPC2012X145N	GCG21BR71H154KA01K	1
2.7uF		C119	CAPAE127P600-8N	2.7uF	1
RB058L		D11, D12	RB058L	RB058L	2
1N4007FLTR	Diode	D21, D22	SODFL3718X140N	1N4007FLTR	2
FSV12100V	Schottky Diode	D_out	FSV1045V	FSV12100V	1
LT8316	LT8316	IC1	TSOP65P640X120-20N	LT8316	1
LMH6618MK_NOPB	Integrated Circuit	IC21	SOT95P280X110-6N	LMH6618MK_NOPB	1
LM4041CIM3-1.2+T	Integrated Circuit	IC22	SOT95P237X112-3N	LM4041CIM3-1.2+T	1
TMM-103-03-G-S	Connector	J1, J2, J3, J4	HDRV3W50POX200_1X3_600X197X550P	TMM-103-03-G-S	4
IPD80R230	Power Mosfet	NMOS1	DPAK228P994X241-3N	IPD80R230	1
LMZM23600V5SILT	Power Supply	PS21	LMZM23600SILT	LMZM23600V5SILT	1
RSJ151P10TL	MOSFET (P-Channel)	Q11	RSJ151P10TL	RSJ151P10TL	1
DMN26D0UDJ-7	MOSFET (N-Channel)	Q21	SOTFL35P100X50-6N	DMN26D0UDJ-7	1
RV1S2281ACCSP-10YC#SC0	Transistor	Q22	SOP130P1020X210-4N	RV1S2281ACCSP-10YC#SC0	1
RES402	Resistor	R11, R12, R13, R14, R15, R16, R17	ERJ2RKD1004X	ERJ2RKF4023X	7
RES805_1.17M	Resistor	R18	RESC2012X50N	CRCW0805160RFKEA	1
RES402_6.98K	Resistor	R19	ERJ2RKD1004X	ERJ2RKF4023X	1
3.1K	Resistor	R21	ERJ2RKD1004X	ERJ2RKF4023X	1
4.9K	Resistor	R22	ERJ2RKD1004X	ERJ2RKF4023X	1
30K	Resistor	R23	ERJ2RKD1004X	ERJ2RKF4023X	1
8.87K	Resistor	R24	ERJ2RKD1004X	ERJ2RKF4023X	1
75K	Resistor	R25	ERJ2RKD1004X	ERJ2RKF4023X	1
2.2k	Resistor	R26	ERJ2RKD1004X	ERJ2RKF4023X	1
1K	Resistor	R27, R28	ERJ2RKD1004X	ERJ2RKF4023X	2
100	Resistor	R29, R212	ERJ2RKD1004X	ERJ2RKF4023X	2
100K	Resistor	R110	ERJ2RKD1004X	ERJ2RKF4023X	1
13.3K	Resistor	R210	ERJ2RKD1004X	ERJ2RKF4023X	1
50	Resistor	R211	ERJ2RKD1004X	ERJ2RKF4023X	1
3521470RFT	Resistor	Rsens	RESC6332X65N	3521470RFT	1
LTR18EZPFLR100	Resistor	Rsens2	RESC1632X68N	LTR18EZPFLR100	1
EDT_29	Transformer	TRF	PCBComponent_1	EDT_29	1
LT6107		U21	SOT95P245X110-5N	LT6107	1
3SMAJ5919B-TP	Zener Diode	Z11	DIOM5226X244N	3SMAJ5919B-TP	1
DDZ15Q-7	Zener Diode	Z12	SOD3716X145N	DDZ15Q-7	1