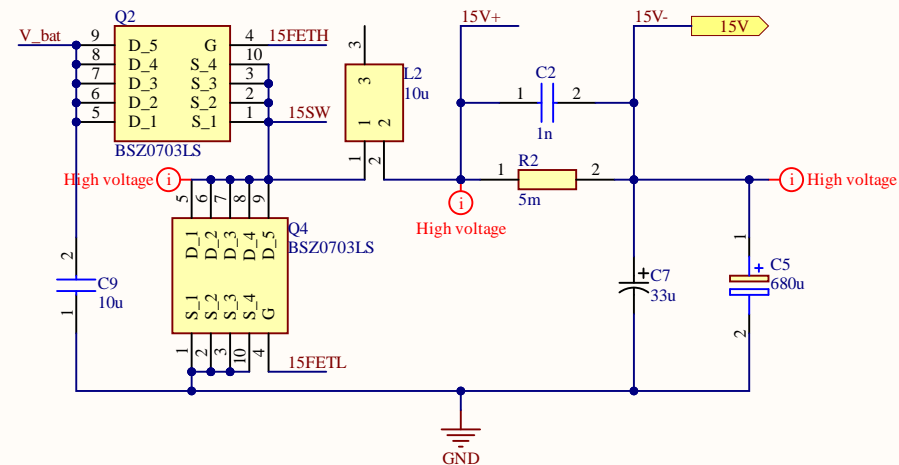
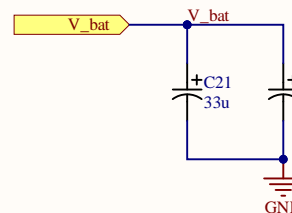
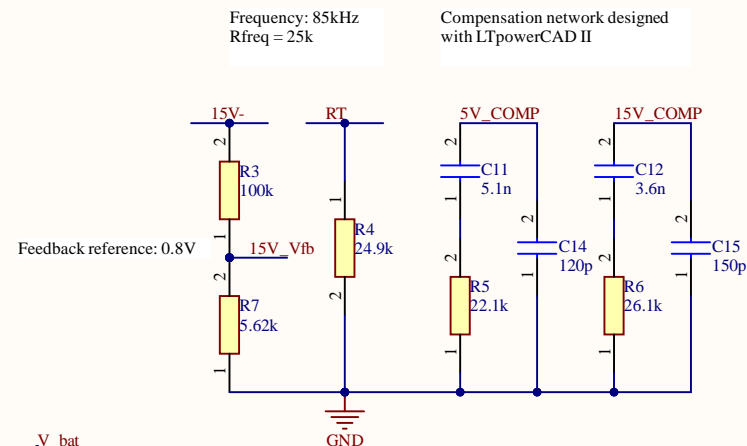
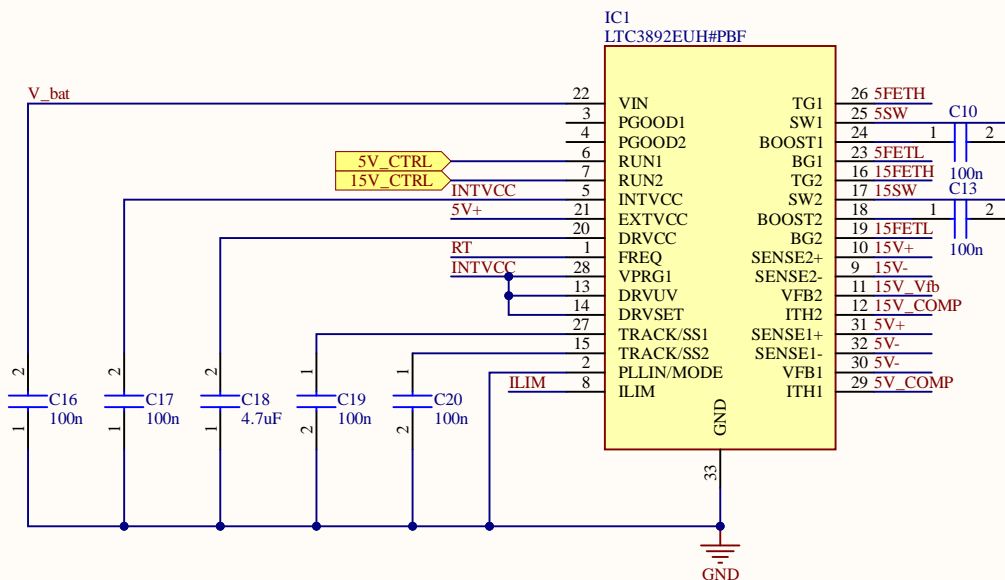
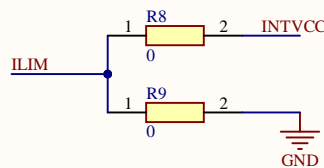


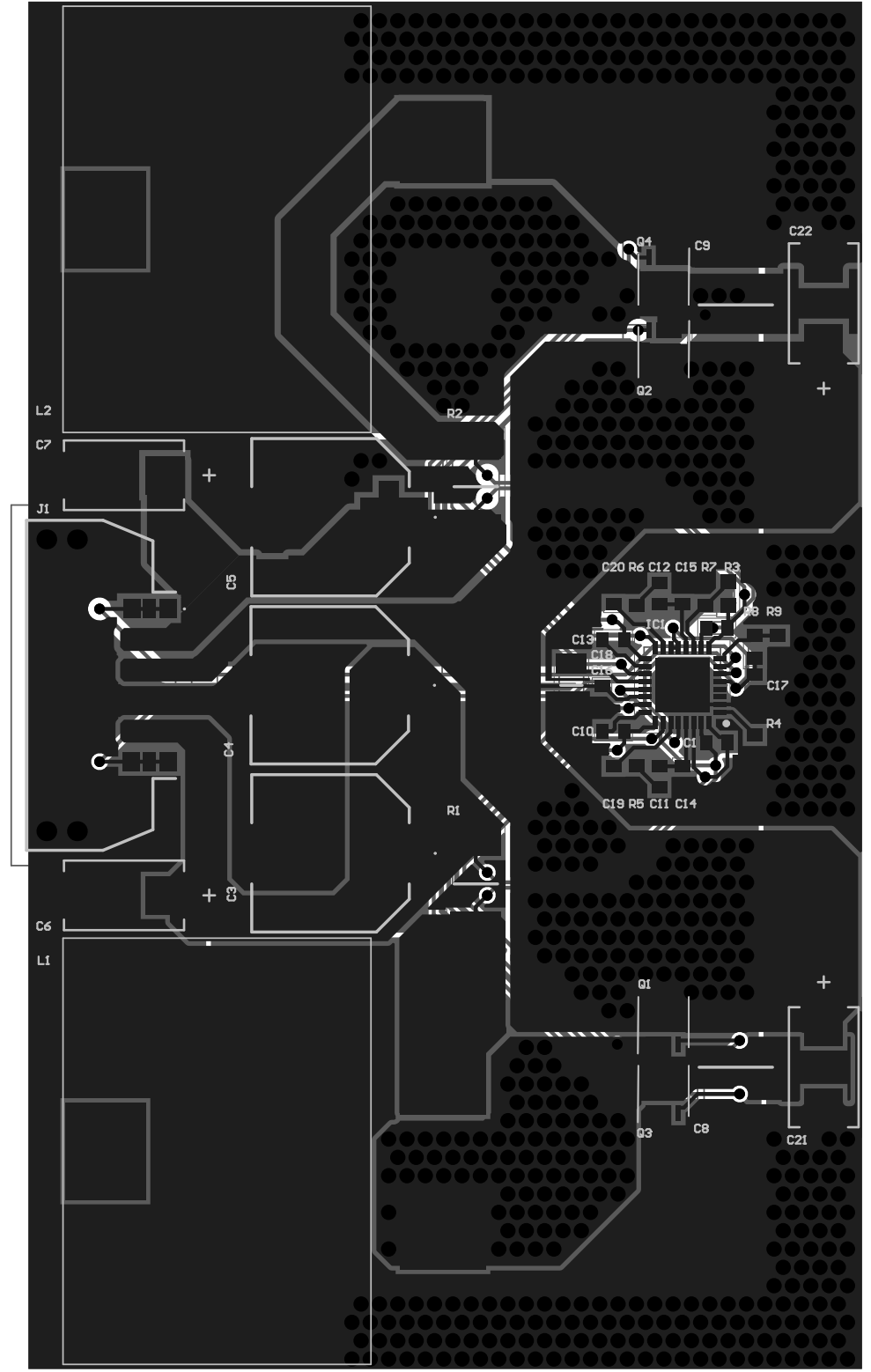
5V:
 $C_{ss1} = 10ms * 10uA / 0.8V = 125nF$
 $C_{b1} = 100 * C_{in_5feth} = 170nF$



15V:
 $C_{ss2} = 10ms * 10uA / 0.8V = 125nF$
 $C_{b2} = 100 * C_{in_15feth} = 60nF$



Title		
Power Module LTC3892 Dual Buck Converters (24V -> 5V / 15V)		
Size	Number	Revision
A4	1	1
Date:	12.12.2021	Sheet of EPFL Xplore
File:	G:\Drive partagés\...\Converter.SchDoc	Drawn By: Arion Zimmermann



Comment	Description	Designator	Footprint	LibRef	Quantity
C0603C102J5RACTU	Capacitor	C1, C2	CAPC1608X95N	C0603C104K5RACTU	2
EEH-ZS1V681UV	Capacitor Polarised	C3, C4, C5	Hybrid_G_VP	EEH-ZS1V681UV	3
T598D336M035ATE065	No Description Available	C6, C7, C21, C22	CAPMP7.6X4.3_3.1N_KEM	T598D336M035ATE065	4
C5750X7S2A106K230KB	Capacitor	C8, C9	CAPC5750X310N	C5750X7S2A106K230KB	2
C0603C104K5RACTU	Capacitor	C10, C13, C16, C17, C19, C20	CAPC1608X95N	C0603C104K5RACTU	6
C0603C512J5GACAUTO	Capacitor	C11	CAPC1608X87N	C0603C222J5RACAUTO	1
C0603C362J5GACTU	Capacitor	C12	CAPC1608X87N	C0603C102J5RACTU	1
C0603C121J5GACTU	Capacitor	C14	CAPC1608X87N	C0603C101J5RACTU	1
C0603C151J5GAC	Capacitor	C15	CAPC1608X87N	C0603C101J5RACTU	1
C1206X475M5RACAUTO	Capacitor	C18	CAPC3316X195N	C1206X475M5RACAUTO	1
LTC3892EUH#PBF	Integrated Circuit	IC1	QFN50P500X500X80-33N-D	LTC3892EUH#PBF	1
UMPT-06-01-L-RA-WT-M-TR	Connector	J1	UMPT0601LRAWTMTR	UMPT-06-01-L-RA-WT-M-TR	1
SER2915H-103KL	Inductor	L1, L2	SER2900	SER2915H-103KL	2
BSZ0703LS	MOSFET (N-Channel)	Q1, Q2, Q3, Q4	BSZ011NE2LS5IATMA1	BSZ011NE2LS5IATMA1	4
PCS2512FR0050ET	Resistor	R1, R2	RESC6430X66N	PCS2512FR0050ET	2
CRCW0603100KJNEAC	Resistor	R3	RESC1608X55N	CRCW0603100KFKEAC	1
CRCW060324K9FKTA	Resistor	R4	RESC1608X50N	CRCW060324K9FKEA	1
CRCW060322K1FKEB	Resistor	R5	RESC1608X50N	CRCW06037K50FKEB	1
CRCW060326K1FKEA	Resistor	R6	RESC1608X50N	CRCW060334K0FKEA	1
CRCW06035K62FKEB	Resistor	R7	RESC1608X50N	CRCW06035K62FKEB	1
CRCW06030000ZSTB	Resistor	R8, R9	RESC1608X50N	CRCW06030000ZSTB	2

