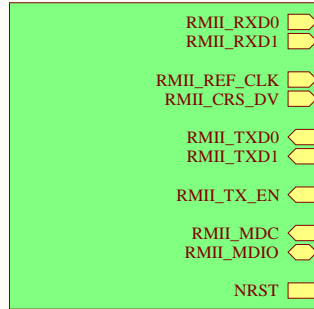
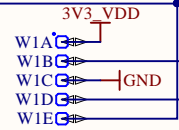
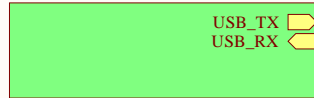


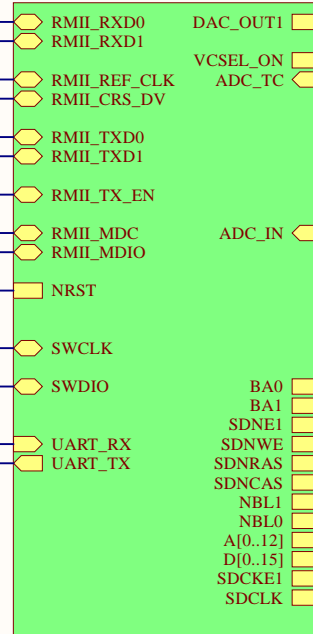
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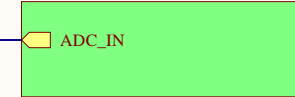
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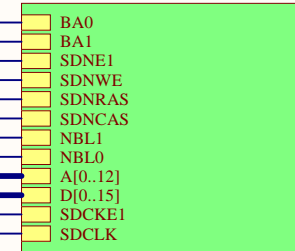
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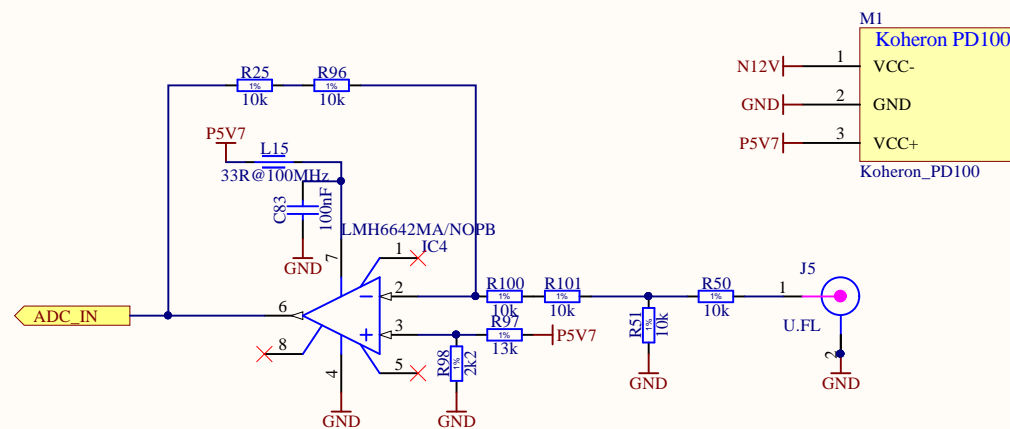
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U_SDRAM
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A

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C

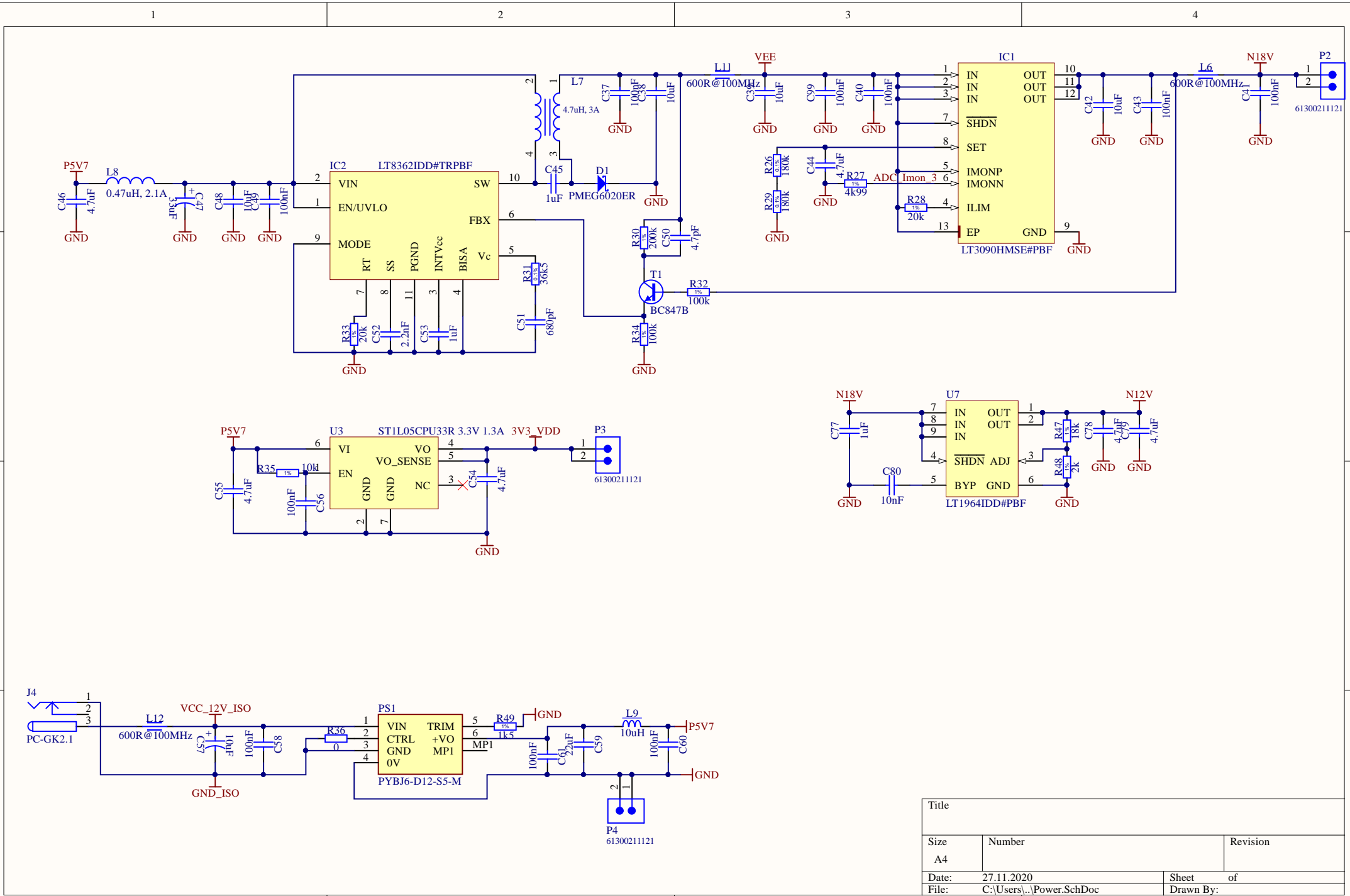
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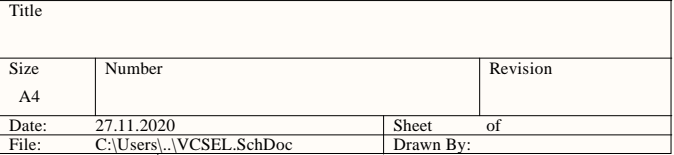
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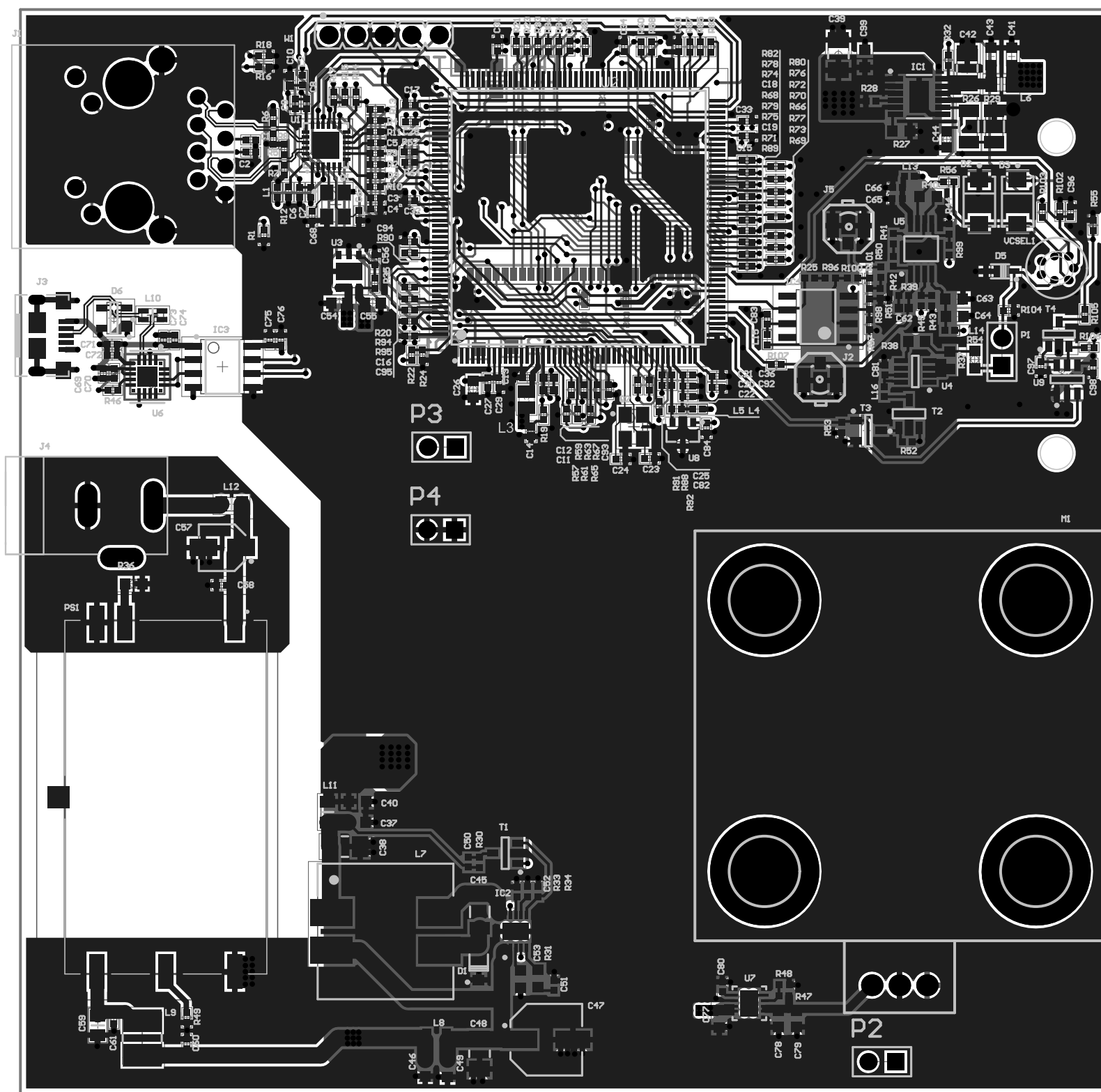
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D



Title		
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Date:	27.11.2020	Sheet of
File:	C:\Users\...\Power.SchDoc	Drawn By:





Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	Non-polarised capacitor	C1, C2, C5, C6, C7,	CAPC1005X55N	C C 0402_100NF_16V	
470pF	Non-polarised capacitor	C3	CAPC1005X55N	C C 0402_470PF_50V	
1uF	Non-polarised capacitor	C4, C18, C22, C66, C	CAPC1005X55N	C C 0402_1UF_16V_10F	
10uF	Non-polarised capacitor	C10, C11, C12, C14	CAPC1005X70N	C C 0402_10UF_6.3V_2	
220pF	Non-polarised capacitor	C13	CAPC1005X55N	C C 0402_220PF_50V_5	
15pF	Non-polarised capacitor	C23, C24, C67, C68	CAPC1005X55N	C C 0402_15PF_50V_59	
4.7uF	Non-polarised capacitor	C26, C54, C55, C78, C	CAPC1709X95N	C C 0603_4.7UF_16V_3	
100nF	Non-polarised capacitor	C37, C40, C41, C43, C	CAPC1608X87N	C C 0603_100NF_50V_3	
10uF	Non-polarised capacitor	C38, C39, C42, C48	CAPC3216X190N	C C 1206_10UF_35V	
4.7uF	Non-polarised capacitor	C44, C46	CAPC1608X90N	C C 0603_4.7UF_25V_4	
1uF	Non-polarised capacitor	C45	CAPC3216X140N	C C 1206_1UF_100V_16	
33uF	Polarised capacitor	C47	CAPE660X540N	CA E660_540_33UF_35	
4.7pF	Non-polarised capacitor	C50	CAPC1005X55N	C C 0402_4.7PF_50V_0	
680pF	Non-polarised capacitor	C51	CAPC1005X55N	C C 0402_680PF_50V_5	
2.2nF	Non-polarised capacitor	C52	CAPC1005X55N	C C 0402_2.2NF_50V_4	
1uF	Non-polarised capacitor	C53, C64, C77	CAPC1608X87N	C C 0603_1UF_16V_3	
10uF	Polarised capacitor	C57	CAPE430X540N	CA E430_540_10UF_16	
22uF	Non-polarised capacitor	C59	CAPC2012X135N	C C 0805_22UF_16V_16	
4.7pF	Non-polarised capacitor	C62	CAPC1005X70N	C C 0402_4.7PF_50V	
10nF	Non-polarised capacitor	C80	CAPC1005X55N	C C 0402_10NF_16V_16	
470nF	Non-polarised capacitor	C84	CAPC1005X55N	C C 0402_470NF_16V_1	
PMEG6020ER	Schottky Diode	D1	SODFL3517X110N	PMEG6020ER	
SMA4720A-TR	TVS DIODE 20V 36.8W	D2, D3	FP-SMA-MFG	C MP-12225-000059-1	
PESD5V0S1UA	Transient Voltage Sup	D5	SOD2512X110N	PESD5V0S1UA	
PRTR5V0U2X	Ultra Low Capacitance	D6	SOT190P230X10-4N	PRT R5V0U2X	
LT3090HMSE#PBF	-36V, 600mA Negative	IC1	SOP65P490X110-13N	LT3090HMSE#PBF	
LT8362IDD#TRPBF		IC2	SON50P300X300X80	LT8362IDD#TRPBF	
ADUM1201ARZ	Dual-Channel Digital Is	IC3	SOIC127P600X175-8N	ADUM1201ARZ	
LMH6642MA/NOPB	Low Power, 130MHz,	IC4	D0008A_0A	CMP-0055-00566-3	
IS42S16	SDRAM 64m 200mhz	IC5	T SOP-54	IS42S16	
ARJM11A3-009-AB-ER	1 Port RJ45 Magjack	J1	ARJM11A3-009-AB-ER	ARJM11A3-009-AB-ER	
U.FL	UFL	J2, J5	CON_UFL_HIROSE_REF	CON_UFL_SMD	
MicroUSB-B	MicroUSB-B-SMT	J3	USB-Micro-B-RA-SMD-4P		
PC.GK2.1	Low Voltage Power S	J4	DC2020	CON_DC_JACK_TH	
33R@100MHz		L1, L2, L4, L5, L13, L1	INDC1005X55N	IND 0402_MURATA_B	
Inductor	Inductor, 2.2uH, 20%	L3	L0805_H0P9	MCD-01340	
600R@100MHz		L6, L11, L12	INDC2012X110N	IND 0805_WURTH_74	
4.7uH, 3A	WE-DO SMT Shielded	L7	WE-DO_1260	744871004	
0.47uH, 2.1A	WE-PMI Power Multil	L8	WE-PMI_0806_H1	7447987147	
10uH	Inductor With Core	L9	IND_MURATA-P5-840	IND_10uH_10%_MUR	
90R@100MHz	Inductor Common Mode	L10	IND_MURATA_DLV21	IND_MURATA_DLV2	
Koheron_PD100		M1	Koheron_PD100	Koheron_PD100	
61300211121	WR-PHD Pin Header,	P1, P2, P3, P4	61300211121	61300211121	
PVBJ6-D12-S5-M	Power Supply	PS1	PVBJ6D12S12M	PVBJ6-D12-S12-M	
25MHz	Crystal 4 pins 1--XTA	O1, O2	XTAL_EPSON_TSX-322	XTAL_25MHZ_EPSO	
270	Resistor - 1%	R1, R16	RESC1005X40N	R 0402_270R_1%_0.0	
10k	Resistor - 1%	R2, R3, R4, R11, R1	RESC1005X40N	R 0402_10K_1%_0.0	
49R9	Resistor - 1%	R5, R6, R7, R8	RESC1005X40N	R 0402_49R9_1%_0.0	
33	Resistor - 1%	R9, R10, R13, R17	RESC1005X40N	R 0402_33R_1%_0.0	
12k1	Resistor - 1%	R12	RESC1005X40N	R 0402_12K1_1%_0.0	
1k5	Resistor - 1%	R14, R49	RESC1005X40N	R 0402_1K5_1%_0.0	
0	Resistor	R19, R21, R23, R42,	RESC1005X40N	R0402_OR_JUMPER	
180k	Resistor - 0.1%	R26, R29	RESC3216X65N	R 1206_180K_0.1%_0	
4k99	Resistor - 1%	R27	RESC1608X55N	R 0603_4K99_1%_0.0	
20k	Resistor - 1%	R28, R33	RESC1005X40N	R 0402_20K_1%_0.0	
200k	Resistor - 1%	R30	RESC1005X40N	R 0402_200K_1%_0.0	
36k5	Resistor - 0.1%	R31	RESC1608X55N	R 0603_36K5_0.1%_0	
100k	Resistor - 1%	R32, R34	RESC1005X40N	R 0402_100K_1%_0.0	
0	Resistor	R36	RESC1608X55N	R0603_OR_JUMPER	
100	Resistor - 0.1%	R37	RESC1608X55N	R 0603_100R_0.1%_0	
150k	Resistor - 0.1%	R38	RESC1608X55N	R 0603_150K_0.1%_0	
12k	Resistor - 1%	R39	RESC1005X40N	R 0402_12K_1%_0.0	
48k7	Resistor - 1%	R40	RESC1608X55N	R 0603_48K7_1%_0.0	
3k6	Resistor - 1%	R43	RESC1005X40N	R 0402_3K6_1%_0.0	
4k3	Resistor - 1%	R44	RESC1005X40N	R 0402_4K3_1%_0.0	
75k	Resistor - 1%	R45	RESC1005X40N	R 0402_75K_1%_0.0	
4k7	Resistor - 1%	R46	RESC1005X40N	R 0402_4K7_1%_0.0	
18k	Resistor - 1%	R47	RESC1005X40N	R 0402_18K_1%_0.0	
2k	Resistor - 1%	R48	RESC1005X40N	R 0402_2K_1%_0.062	
50	Resistor - 1%	R54	RESC1608X55N	R 0603_50R_1%_0.1V	
47	Resistor - 1%	R57, R58, R59, R60,	RESC1005X40N	R 0402_47R_1%_0.0	
13k	Resistor - 1%	R97	RESC1005X40N	R 0402_13K_1%_0.0	
2k2	Resistor - 1%	R98	RESC1005X40N	R 0402_2K2_1%_0.0	
51k	Resistor - 1%	R99	RESC1005X40N	R 0402_51K_1%_0.0	
1k2	Resistor - 1%	R106	RESC1005X40N	R 0402_1K2_1%_0.0	
BC847B	NPN Transistor	T1, T4	SOT95P230X10-3N	BC847B	
DMP2066LSN-7	P-CHANNEL MOSFET	T2	SOT95P285X140-3N	DMP2066LSN-7	
BSS138LT1G	N-CHANNEL MOSFET	T3	SOT95P240X110-3N	BSS138LT1G	
Test Point	Test Point	TP1, TP2, TP3, TP4, T	TPS127	SMD_PAD_1.27X1.27M	
LAN8742A-CZ-TR	LAN8742A-CZ-TR -	U1	QFN24_QRS_404	LAN8742A-CZ-TR	
STM32H755IIT6	No Description Availa	U2	QFP50P2600X2600X1	STM32H755IIT6	