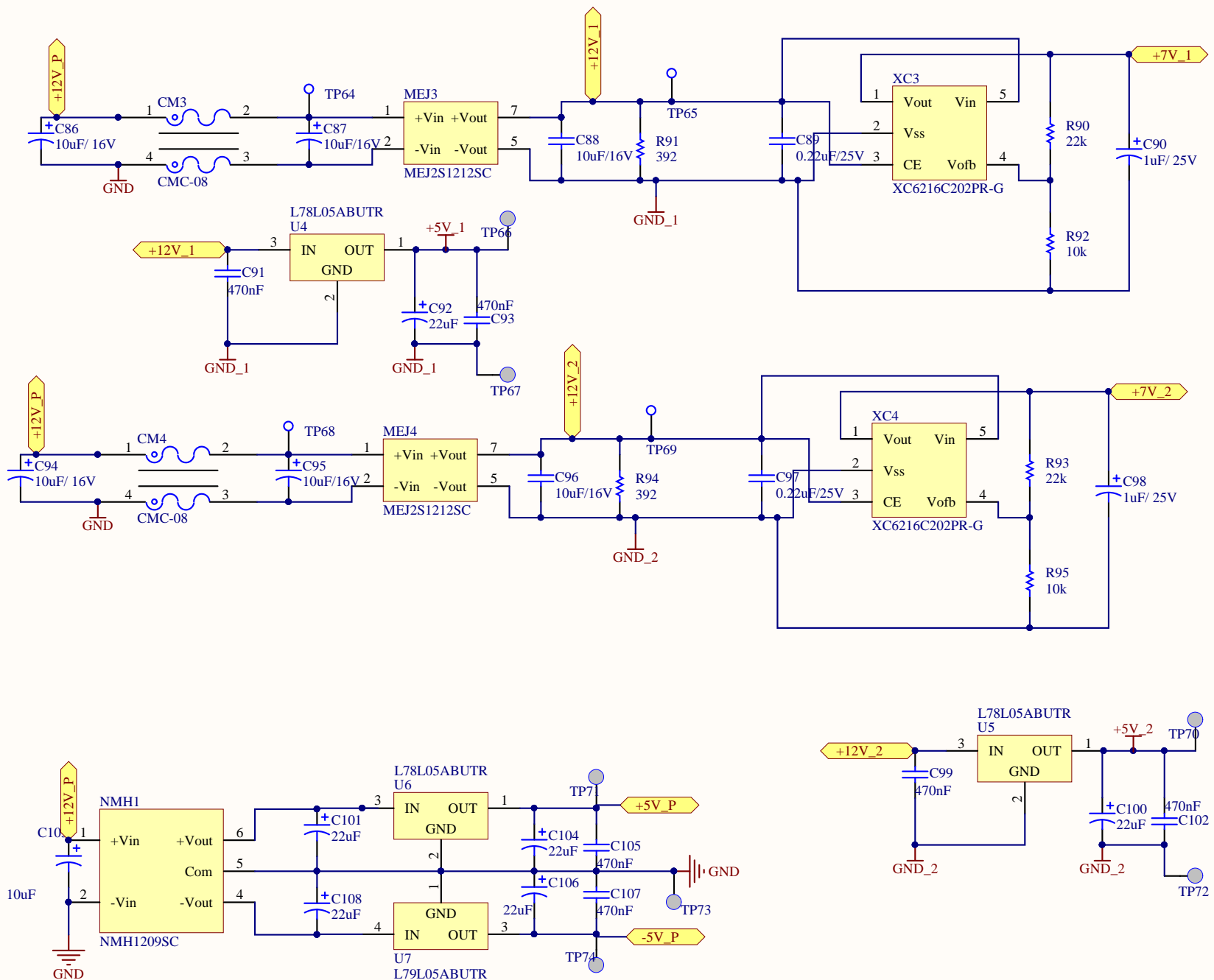
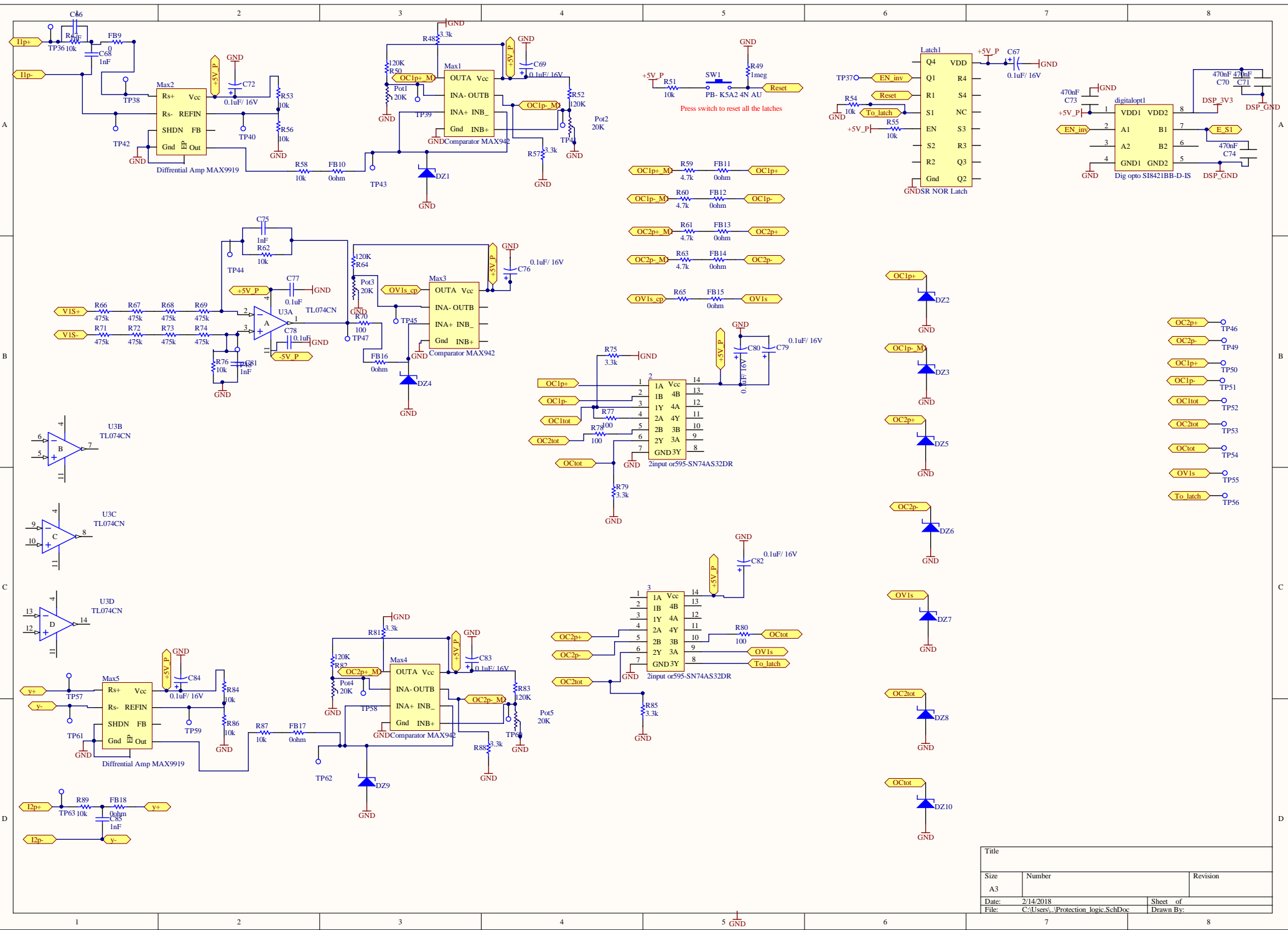
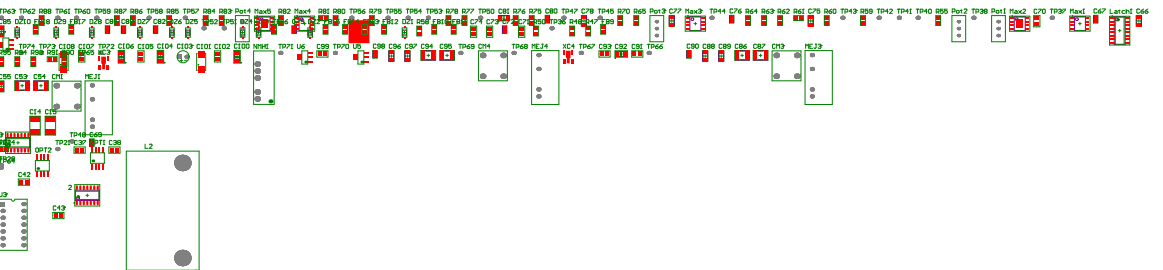
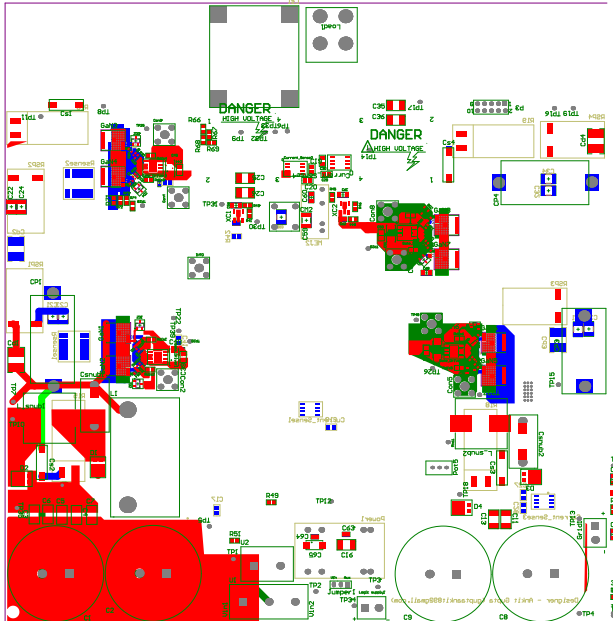
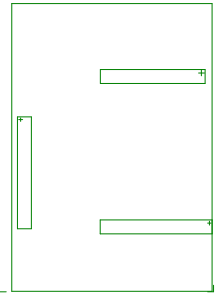
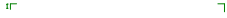
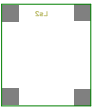
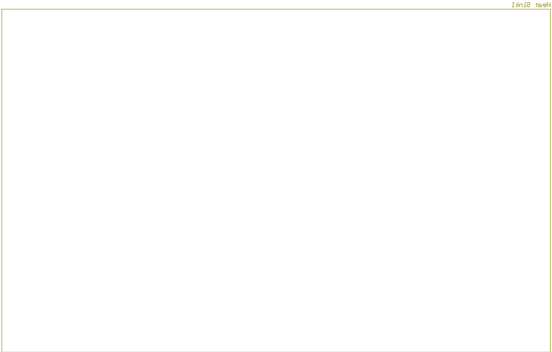


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File:	C:\Users\...\Power_Supply2.SchDoc	Drawn By:





Item #	Item Name Error:Manufacturer	#Column Name Error:Manufacturer No	Quantity	#Column Name Error:Note	Designator	Description	Footprint	Diode	Comment	LibRef
1			4		D1, D2, D3, D4	VS-4ES02H-M3	T0-277A			Diode
2			1		SW1	Switch	Push Button_New	PB_K5A2 4N AU		SW-FB
3			4		R15, R16, R18, R19	snubber_res_film	Res_Snub	res_snubber		res_snubber
4			89		FB0, FB10, FB11, FB12, FB13, FB14, FB15, FB16, FB17, FB18, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R17, R20, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, Rd1s1, Rd1s2, Rd1s3, Rd1s4, Rd1s5, Rd1s6, Rd1s7, Rd1s8		res_smd	res_smd		
5			2		R25, R30	Resistor	J1-0603	20		Res3
6			26		FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB8, R21, R22, R23, R24, R26, R27, R28, R29, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40	Resistor	J1-0603	Res3		Res3
7			3		U4, U5, U6	Positive Voltage Regulator	Req SOT-89 +5	L78L05ABUTR		L78L05ABZ
8			1		C53	Polarized Capacitor (Surface Mount)	1812	16V		Cap Pol3
9			15		C21, C22, C23, C24, C31, C32, C33, C34, C54, C58, C59, C86, C87, C94, C95	Polarized Capacitor (Surface Mount)	1812	Cap Pol3		Cap Pol3
10			15		C57, C62, C63, C64, C67, C69, C72, C76, C79, C80, C82, C83, C84, C90, C98	Polarized Capacitor (Surface Mount)	C0805	Cap Pol3		Cap Pol3
11			1		C103	Polarized Capacitor (Radial)	CAP-10u-16V	electrolytic		Cap Pol1
12			2		C101, C108	Polarized Capacitor (Radial)	Cap tantal 22u-25V	Tantalum		Cap Pol1
13			4		C92, C100, C104, C106	Polarized Capacitor (Radial)	Cap Tantal 3216	Tantalum/TS20A226M006ATE090		Cap Pol1
14			8		D5, D6, D7, D8, D9, D10, D11, D12	PMEG2010EPK	PMEG2010EPK	PMEG2010EPK		PMEG2010EPK
15			1		U7	Negative-Voltage Regulator	Reg SOT-89	L78L05ABUTR		uA79M06CKTPR
16			10		DZ1, DZ2, DZ3, DZ4, DZ5, DZ6, DZ7, DZ8, DZ9, DZ10	MMSZ5221BS	MMSZ5221BS	MMSZ5221BS		MMSZ5221BS
17			2		Max2, Max5	MAX9919NANSA+	SOIC127P600X168_HS-9N	Differential Amp MAX9919		Max9919
18			3		Max1, Max3, Max4	MAX942ESA+	SOIC 8, no EP	Comparator MAX942		Max942
19			1		U3	Low-Noise JFET-Input Operational Amplifier	TL074J	TL074JCN		TL074J
20			4		C1, C2, C8, C9	LLS2A332MELC	DIP14	3300uF		3300uF
21			1		P2	Header, 16-Pin, Dual row	Cap_3300uF_35mm height	Signals to DSP		Header 16X2
22			1		P1	Header, 15-Pin, Dual row	HDR2X15	Signals from DSP		Header 15X2
23			1		P3	Header, 5-Pin, Dual row	HDR2X5	Header 5X2		Header 5X2
24			8		ZD1, ZD2, ZD3, ZD4, ZD5, ZD6, ZD7, ZD8	DZ23C8V2-7-F	Zener Diode	8.2 v		Zener_diode
25			4		CM1, CM2, CM3, CM4	Common mode choke	CMC-08	CMC-08		CMC-08
26			1		Latch1	CD4043BDR	SR Latch	SR NOR Latch		SR Latch
27			8		C55, C56, C68, C75, C77, C78, C81, C85	Capacitor (Semiconductor SIM Model)	C1206	16V		Cap Semi
28			7		C56, C60, C61, C88, C89, C96, C97	Capacitor (Semiconductor SIM Model)	C1206	Cap Semi		Cap Semi
29			10		C37, C38, C42, C43, C91, C93, C96, C102, C105, C107	Capacitor	Capacitor 0805	Cap		Cap
30			5		Pot1, Pot2, Pot3, Pot4, Pot5	3296W-1-253LF	Pot	20K		TRIM POT
31			20		C17, C18, C19, C20, C27, C28, C29, C30, C39, C41, C44, C46, C47, C49, C50, C52, C70, C71, C73, C74		Cap_SMD	100nF		Cap_SMD
32			1		RSP3		Res-RS	15 ohm		Res_Rd
33			3		Cd1, Cd2, Cd3		Cd	15uF		Cd
34			4		C40, C48, C51, C65		Cap_tantalum	22uF		Cap_tantalum
35			1		C45		Cap_tantalum	22uF/25V		Cap_tantalum
36			2		A_3		2input	2input or596-SN74AS32DR		2 input OR
37			1		C62		Cap-Cs	560p		Cap-CS
38			1		C63		Cap-Cs	560pF		Cap-CS
39			1		C61		Cap-Cs	890pF		Cap-CS
40			4		Current_Sense1, Current_Sense2, Current_Sense3, Current_Sense4	SOIC-8	ACS712-05			Current Sensor 5A
41			1		Logic supply 1		Auxiliary connector	Auxiliary connector		Auxiliary connector
42			1		C64		Cap-Cs	Cap cdv16H10103		Cap-CS
43			2		Canub1, Canub2		Cap-Csnub	Cap DPPM10S22K-F		Cap-Csnub
44			3		CP1, CP2, CP4		Cap_cp	Cap_CP		Cap_CP
45			1		CP3		Cap_cp - small	Cap_CP		Cap_CP
46			1		CD4		Cd	Cd		Cd
47			6		Con1, Con2, Con4, Con5, Con6, Con8	PCBComponent_1	Component_1	Component_1		Component_1
48			1		Load1		Connector_60A	Connector 60A		Connector 60A
49			1		I1	Control Board	Control Board	Control Board		Control Board
50			1		U1	P-Terminal 3	DC Input	P-Terminal 3		P-Terminal 3
51			3		digitalopt1, OPT1, OPT2	SO8 TS2702	Dig opto SI8421BB-D-IS	Digital Isolator, Component_1, Component_1		Digital Isolator, Component_1, Component_1
52			1		Grid1		Auxiliary connector	Grid Input for sense GS66508B		Auxiliary connector GS66508B
53			8		GaN1, GaN2, GaN3, GaN4, GaN5, GaN6, GaN7, GaN8		GS66508B			GS66508B
54			1		Heat Sink1		Heat Sink	Heat sink		Heat sink
55			1		L1		Inductor_small	inductor		inductor
56			1		L2		Inductor_small_mirror	inductor		inductor
57			2		L_snbu1, L_snbu2		Inductor surface mount	Inductor smd		Inductor smd
58			2		Ls1, Ls2		Inductor output	Inductor_output		Inductor_output
59			4		Gate_Driver1, Gate_Driver2, Gate_Driver3, Gate_Driver4		Gate driver_low side	(IXDN60S1)		Gate driver low side
60			1		U2		P-Terminal 2	Jumper Vin		P-Terminal 2
61			4		MEJ1, MEJ2, MEJ3, MEJ4		MEJ2	MEJ2S12125C		Power supply2
62			1		Power1		Power_main	NC5854812C		Power_main
63			1		NMH1		NMH1206SC	NMH1206SC		NMH1206SC
64			15		C3, C4, C5, C6, C7, C10, C11, C13, C14, C15, C16, C25, C26, C35, C36		Output cap	Output_cap		Output_cap
65			2		Con3, Con7		PCB_CONNECTOR	pcb CONNECTOR		pcb CONNECTOR
66			1		Jumper1		Header1*3	p_jumper		p_jumper
67			3		RSP1, RSP2, RSP4		Res-RS	Res_Rd		Res_Rd
68			2		Rasen1, Rasen2		Sense resistor	Sense Resistor		Sense Resistor
69			74		TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP22, TP23, TP24, TP25, TP26, TP27, TP28, TP29, TP30, TP31, TP32, TP33, TP34, TP35, TP36, TP37, TP38, TP39, TP40, TP41, TP42, TP43, TP44, TP45, TP46, TP47, TP48, TP49, TP50, TP51, TP52, TP53, TP54, TP55, TP56, TP57, TP58, TP59, TP60, TP61, TP62, TP63, TP64, TP65, TP66, TP67, TP68, TP69, TP70, TP71, TP72, TP73, TP74		Test Point	Test Point		Test Point
70			2		T1, T2		Transformer	Transformer		Transformer
71			4		XC1, XC2, XC3, XC4		SOT-89-5	XC6216C202PR-G		Transformer power supply