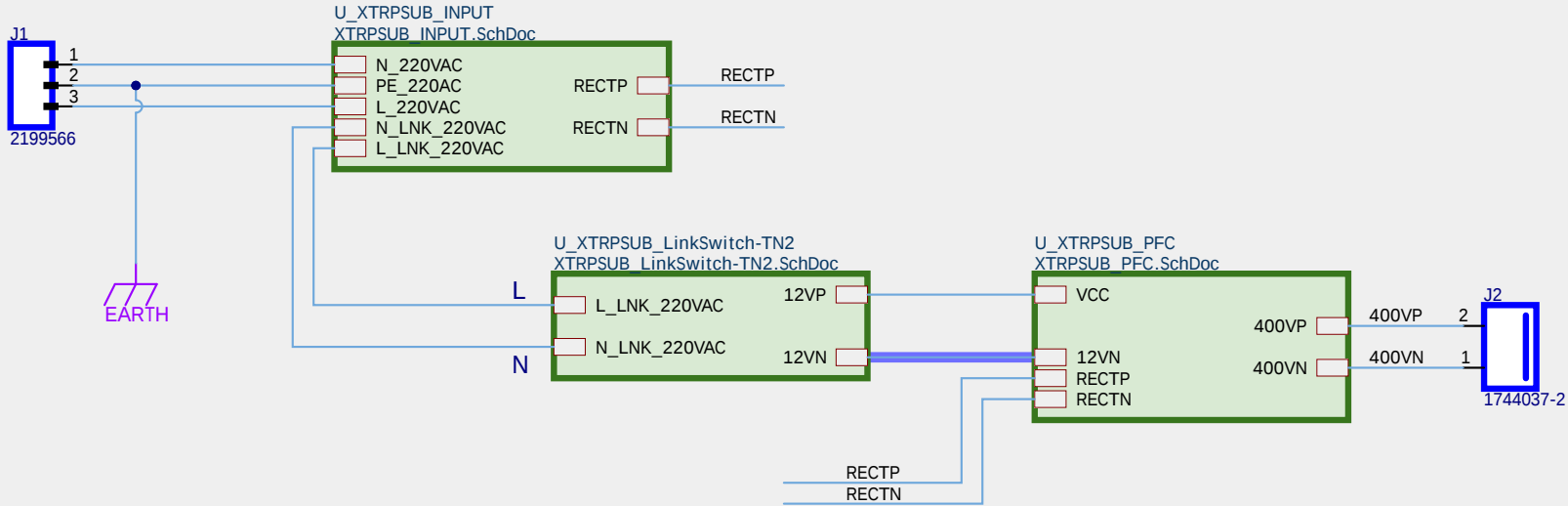
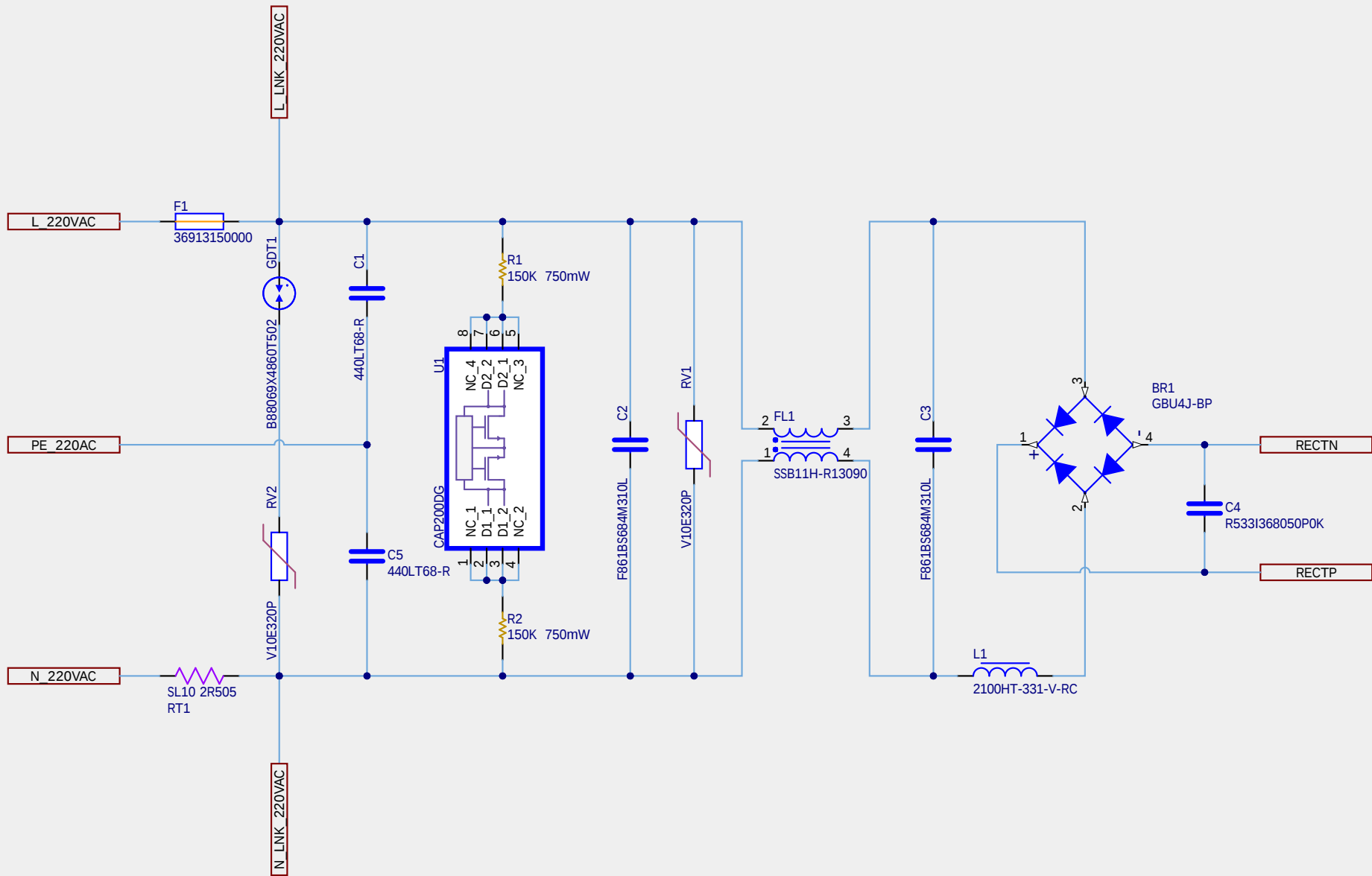


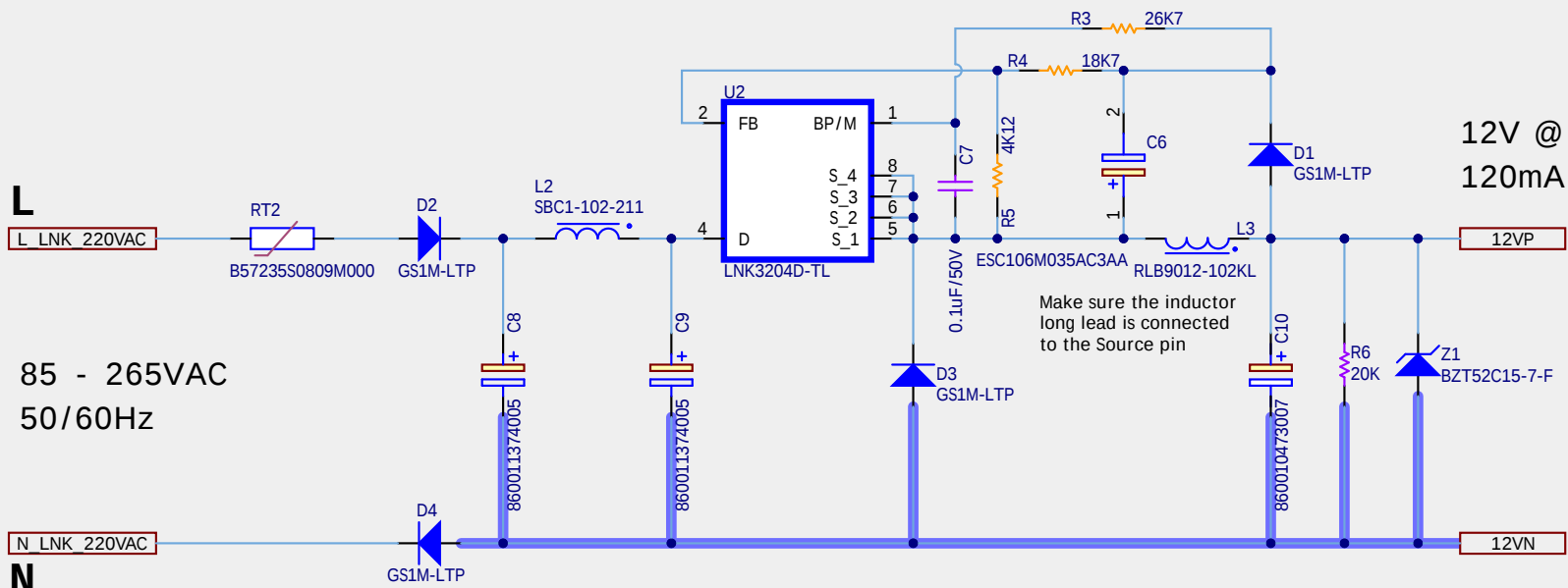
85 - 265VAC
50/60Hz



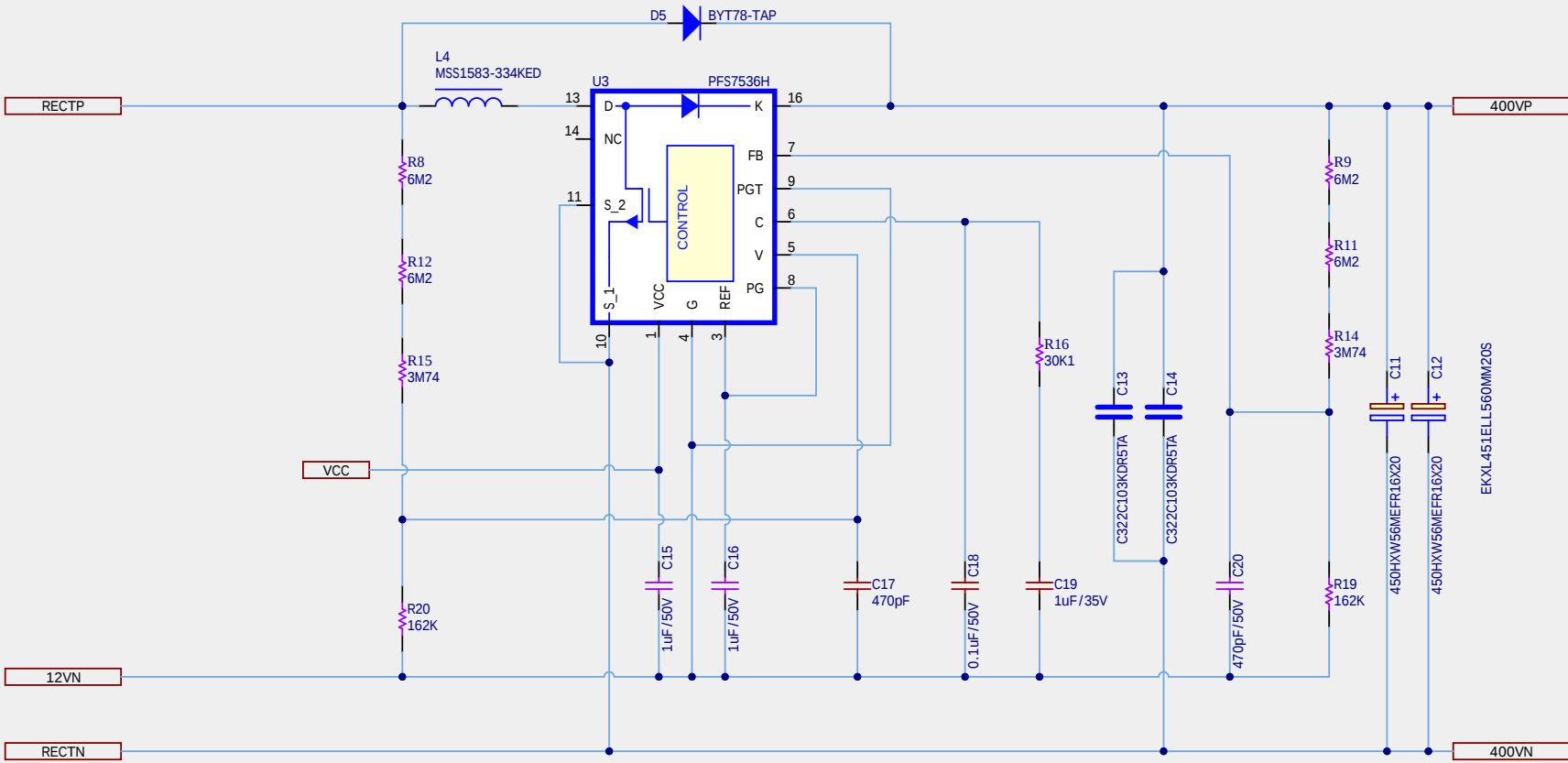
Project: Xtronica PSU_BOTTOM.PrjPcb			Variants: [No Variations]	
Title: Xtronica DIN PSU Bottom PCB			Rjukan Head Office/Factory Hydroparken 270, NO-3661 Rjukan, Norway	
Size: A	Number: 010225	Revision: 001		
Date: 7/29/2025 Time: 3:22:19 AM		Sheet 1 of 4		
File: XTRPSUB_TOPLEVELSHEETN.SchDoc				



Project: Xtronica PSU_BOTTOM.PrjPcb		Variants: [No Variations]	
Title: Input Stage		Rjukan Head Office/Factory Hydroparken 270, NO-3661 Rjukan, Norway	
Size: A	Number: 010225	Revision: 001	
Date: 7/29/2025 Time: 3:22:19 AM	Sheet 2 of 4	File: XTRPSUB_INPUT.SchDoc	



Project: Xtronica PSU_BOTTOM.PrjPcb			Variants: [No Variations]	
Title: LinkSwitch-TN2			Rjukan Head Office/Factory Hydroparken 270, NO-3661 Rjukan, Norway	
Size: A	Number: 010225	Revision: 001		
Date: 7/29/2025 Time: 3:22:19 AM	Sheet 3 of 4	File: XTRPSUB LinkSwitch-TN2.SchDoc		



Project: Xtronica PSU_BOTTOM.PrjPcb			Variants: [No Variations]	
Title: Power Factor Correction PFC			Rjukan Head Office/Factory Hydroparken 270, NO-3661 Rjukan, Norway	
Size: A4	Number:010225	Revision: 001		
Date: 7/29/2025 Time: 3:22:19 AM	Sheet 4 of 4			
File: XTRPSUB_PFC.SchDoc				

Comment	Description	Designator	Footprint	LibRef	Quantity
GBL41BP	Bridge Rectifiers 4A Bridge Rectifier, 600V	BR1	GBL4BP.C11	GBL41BP	1
440L768-R	Safety Capacitors 680pF 50V 20% X2 400Vac Y1 500Vdc	C1, C5	440L768R	440L768-R	2
FR11866AM10L	Capacitor	C2, C3	FR11866AM10L	FR11866AM10L	2
RE33368050PK	Film Capacitors 330nF 50V 0.68uF 75V 5% K AECQ2	C4	CAP_RE33368050PK_K4EM	RE33368050PK	1
ESC108M035AC3AA	Capacitor Polarised	C6	CAPESC108M035AC3AA	ESC108M035AC3AA	1
0.1uF50V	Capacitor MLC, 50V 0.1uF X7R5GR 5MD 1206 x10%	C7	CAPC3218N	C1206 0.1uF50V	1
860011374005	Aluminium Electrolytic Capacitors - Radial Leaded WCAP-AL8B 4.7uF 400V 20% Radial	C8, C9	860011374005	860011374005	2
860010473007	Wurth Elektronik 100uF 25 Vdc Aluminium Electrolytic Capacitor WCAP-AL8B Series 2000W 5.3 (Dia.) x 11mm	C10	CAP860010473007	860010473007	1
450H40V50MEFR6X20	Aluminium Electrolytic Capacitors - Radial Leaded Life: 2000 Hour Ripple Current: 500 mA 450 VDC	C11, C12	CAP450H40V50MEFR6X20	450H40V50MEFR6X20	2
C32C1039DR61A	Multilayer Ceramic Capacitors MLC Leaded 1000V0.01uF X7R10%LS-6.08mm	C13, C14	C32C101LXDR61A01	C32C1039DR61A	2
1uF50V	Capacitor MLC, 50V 1uF X7R5GR 5MD 1206 x10%	C16, C16	CAPC3218N	C1206 1uF50V	2
470pF	Capacitor MLC 470pF, 50V, X7R5GR 5MD 0505 x10%	C17	CAPC2012N	C0805 470pF	1
0.1uF50V	Capacitor MLC 0.1 uF, 50V, X7R5GR, 5MD 0805 x10%	C18	CAPC2012N	C0805 0.1uF	1
1uF35V	Capacitor MLC 1 uF 35V, X7R5GR 5MD 0805 x10%	C19	CAPC2012N	C0805 1uF	1
470pF50V	Capacitor MLC, 50V 470pF X7R5GR 5MD 1206 x10%	C20	CAPC3218N	C1206 470pF50V	1
SSM41BP	Rectifiers 100V 1A	DI, DI2, DI3, DI4	DIOM4227050N	SSM41BP	4
BY778-1WP	Rectifiers 3.0 Amp 1000 Voh 100 Amp 85MA	DS	DIOM2020W636L430D400	BY778-1WP	1
369131150000	Fuse	F1	369131150000	369131150000	1
S98L114R23090	Common Mode Chokes / Filters 250V 1.3A 9mmH	RL1	S98L114R23090	S98L114R23090	1
88800948607502	Gas Discharge Tubes - 207N / Gas Plasma Arrestors N81- A600KG	GD1	GDT_88800948607502	88800948607502	1
2199566	Terminal Block/headers 3 positions 0.285 (7.25mm) pitch/Solder 16A/300 V/ Phoenix Contact 2199566	J	PHOENIX_2199566	2199566	1
1744037-2	Headers & Wire Housings 20P HC PWR 200 CL HDR ASSY VMT	J2	17440372	1744037-2	1
2100H-T331-V4C	Power Inductors - Leaded TOROID INDUCTOR 330uH 1.0mV LOSS-HR22_MF	L1	IND_2100H-T378_V	2100H-T331-V4C	1
SBC1-102-211	Power Inductors - Leaded 1000uH 10% 230mACR4-50Fms	L2	SBC1102211	SBC1-102-211	1
RL88012-102KL	Power Inductors - Leaded 1000uH 10% SAA	L3	IND_RL88012-102KL	RL88012-102KL	1
MSS1583-334XED	Power Inductors - 5MD 330uH 50V 10% 2.5A 345mOhms	L4	INDPM150150V880N	MSS1583-334XED	1
150K 750mW	Resistor SMD Resistor 150K Case 150K 750mW x1%	RL_R2	RES2218N	RL206 150K 750mW	2
26K7	Resistor SMD Resistor 26K7 Case 2605 0.125W x1%	R6	RES2012N69N	RL005 26K7	1
18K7	Resistor SMD Resistor 18K7 Case 2605 0.125W x1%	R8	RES2012N69N	RL005 18K7	1
4K12	Resistor SMD Resistor 4K12 Case 2605 0.125W x1%	R6	RES2012N69N	RL005 4K12	1
20K	Resistor SMD Resistor 20K Case 2206 0.25W x1%	R6	RES2218N	RL206 20K	1
0M2	Resistor SMD Resistor 0M2 Case 2206 0.25W x1%	RL_R9, RL1, RL2	RES2218N	RL206 0M2	4
3M/4	Resistor SMD Resistor 3M/4 Case 2206 0.25W x1%	RL4, RL5	RES2218N	RL206 3M/4	2
30K1	Resistor SMD Resistor 30K1 Case 2206 0.25W x1%	RL6	RES2218N	RL206 30K1	1
162K	Resistor SMD Resistor 162K Case 2206 0.25W x1%	RL8, RL0	RES2218N	RL206 162K	2
SL10 28605	Inrush Current Limiters 10mm 2.50mm SMD HIGH CURRENT	RE1	RES_SL10 28605_MIT	SL10 28605	1
B672353809M000	Inrush Current Limiters S235LM	RD2	B672353809M000	B672353809M000	1
V0E320P	Verobars 320V 20mm Epoxy UltraMDV	RA1, RA2	V0E320P	V0E320P	2
CAP200DG	Power Management Specialised - PMIC CapZero 2 X Cap Smart HV Switches	UL	SOIC127P6000V175-8N	CAP200DG	1
UNK3204D-TL	AC/DC Converters 120 mA (MCM) 170mA (CCM) 100V	U2	SO-8C (D-PACKAGE)	UNK3204D-TL	1
PIF5736H	Power Factor Correction - PFC 610 Wpeak power 180 VAC COMFEC	U3	PIF5736H	PIF5736H	1
B275C15-7-F	Zener Diodes 500mW 15V Zener	Z1	80D0716X145N	B275C15-7-F	1