

Filename: PMP4298A\_REVA\_bom.xls

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## PMP4298A\_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr	AREA
3	C1	2.2uF	Capacitor, Ceramic, 100V, X7R, 15%	1210	C3225X7R2A225MT	TDK	
2	C3	330uF	CAP 330UF 63V ELECT FC RADIAL		EEU-FC1J331L	Panasonic	
	C4	330uF	CAP 330UF 63V ELECT FC RADIAL		EEU-FC1J331L	Panasonic	
3	C5	100uF	CAP 100UF 100V ELECT FC RADIAL		EEU-FC2A101L	Panasonic	
	C6	100uF	CAP 100UF 100V ELECT FC RADIAL		EEU-FC2A101L	Panasonic	
	C7	100uF	CAP 100UF 100V ELECT FC RADIAL		EEU-FC2A101L	Panasonic	
4	C14	0.1uF	CAP CER .1UF 25V 10% X7R 0603	0603	GRM188R71E104KA01D	muRata	
3	C18	560uF/35V	CAP 560UF 35V ELECT FC RADIAL,±20%,3000 Hrs @ 105°C		EEU-FC1V561	Panasonic	
	C19	560uF/35V	CAP 560UF 35V ELECT FC RADIAL,±20%,3000 Hrs @ 105°C		EEU-FC1V561	Panasonic	
	C20	560uF/35V	CAP 560UF 35V ELECT FC RADIAL,±20%,3000 Hrs @ 105°C		EEU-FC1V561	Panasonic	
	C21	2.2uF	Capacitor, Ceramic, 100V, X7R, 15%	1210	C3225X7R2A225MT	TDK	
1	C23	0.33uF	CAP CER .33UF 50V X7R 0805	0805	GRM219R71H334KA88D	MuRata	
	C24	1uF	CAP CER 1UF 16V X7R 0603	0603	GRM188R71C105KA12D	muRata	
	C27	1000pF	CAP CER 1000PF 50V 10% X7R 0603	0603	GRM188R71H102KA01D	muRata	
3	C28	39uf	CAP 39UF 450V RADIAL,10X50,±20%,105°C		EKM396M2WG50TC		
3	C29	0.1uf	CAP .1UF 300VAC INTER SUPP X1		ECQU3A104MG	Panasonic	
1	C30	2.2uF	CAP CER 2.2UF 16V 10% X7R 0805	0805	GRM21BR71C225KA01L	Murata	
	C31	0.1uf	CAP .1UF 300VAC INTER SUPP X1		ECQU3A104MG	Panasonic	
3	C32	330pF	CAP CER 330PF 50V 10% X7R 0603	0603	GRM188R71H331KA01D	muRata	
1	C33	2u2	CAP CER 2.2UF 16V X7R 0805	0805	GRM21BR71C225KA12L	muRata	
4	C34	1uF	CAP CER 1UF 16V X7R 0603	0603	GRM188R71C105KA12D	muRata	
1	C35	18pF	CAP CER 18PF 50V 5% C0G 0603	0603	GRM1885C1H180JA01D	muRata	
1	C36	0.047uF	CAP CER 47000PF 16V 10% X7R 0603	0603	GRM188R71C473KA01D	muRata	
	C40	0.1uf	CAP .1UF 300VAC INTER SUPP X1		ECQU3A104MG	Panasonic	
2	C41	0.1uF	.1UF/630VDC METAL POLY CAP		ECQ-E6104KF	Panasonic	
2	C42	NA	CAP CER 220PF 630VDC U2J 1206	1206	GRM31A7U2J221JW31D	MuRata	
2	C43	8.2nF/630V	CAP METAL POLYPRO .0082UF 630V 5%		ECQE6822JF	Panasonic	
2	C44	1000uF/10V	CAP 1000UF 10V ELECT FC RADIAL		EEUFC1A102L	Panasonic	
1	C45	TBD	Capacitor, Ceramic, 50V, X7R, 20%	0603	tbd	Yageo Corporation	
1	C46	100pF	CAP CER 100PF 50V 5% C0G 0603	0603	GRM1885C1H101JA01D		
2	C47	0.1uF	CAP CER .1UF 25V 10% X7R 0805	0805	GRM21BR71E104KA01L	muRata	
	C48	1uF	CAP CER 1UF 16V X7R 0603	0603	GRM188R71C105KA12D	muRata	
4	C49	NA	Capacitor, Ceramic, 630V, 220PF,10%	1206	ECJ3FBf2J221K	Panasonic	
	C50	8.2nF/630V	CAP METAL POLYPRO .0082UF 630V 5%		ECQE6822JF	Panasonic	
	C51	NA	CAP CER 220PF 630VDC U2J 1206	1206	GRM31A7U2J221JW31D	MuRata	
	C52	1uF	CAP CER 1UF 16V X7R 0603	0603	GRM188R71C105KA12D	muRata	
	C53	0.1uF	CAP CER .1UF 25V 10% X7R 0603	0603	GRM188R71E104KA01D	muRata	
1	C54	2.2nF	CAP 2200PF 250VAC CERAMIC Y1/X1		CD12E2GA222MYAS	TDK	

2	C55	1u	CAP CER 1.0UF 25V 10% X7R 0805	0805	GCM21BR71E105KA56L	MuRata
1	C56	220pF	CAP CER 220PF 50V 10% X7R 0603	0603	GRM188R71H221KA01D	muRata
	C57	1000pF	CAP CER 1000PF 50V 10% X7R 0603	0603	GRM188R71H102KA01D	muRata
1	C59	22nF	CAP CER 22000PF 50V 10% X7R 0603	0603	GRM188R71H223KA01D	muRata
1	C60	10nF	CAP CER .01UF 25V 10% X7R 0603	0603	GRM188R71E103KA01D	muRata
	C61	1u	CAP CER 1.0UF 25V 10% X7R 0805	0805	GCM21BR71E105KA56L	MuRata
1	C62	2.2nF	CAP CER 2200PF 50V X7R 0603	0603	GCM188R71H222KA37D	muRata
1	C63	.47u	CAP CER .47UF 16V X7R 0603	0603	GRM188R71C474KA88D	muRata
	C64	0.1uF	.1UF/630VDC METAL POLY CAP		ECQ-E6104KF	Panasonic
1	C65	NA	Capacitor, Ceramic, Low Inductance, vvV, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata
	C66	330pF	CAP CER 330PF 50V 10% X7R 0603	0603	GRM188R71H331KA01D	muRata
	C67	330pF	CAP CER 330PF 50V 10% X7R 0603	0603	GRM188R71H331KA01D	muRata
	C69	NA	Capacitor, Ceramic, 630V, 220PF,10%	1206	ECJ3FBf2J221K	Panasonic
	C72	1000uF/10V	CAP 1000UF 10V ELECT FC RADIAL		EEUFC1A102L	Panasonic
	C73	2.2uF	Capacitor, Ceramic, 100V, X7R, 15%	1210	C3225X7R2A225MT	TDK
2	C74	1uF	CAP CER 1UF 50V X7R 0805	0805	GRM21BR71H105KA12L	muRata
	C75	1uF	CAP CER 1UF 50V X7R 0805	0805	GRM21BR71H105KA12L	muRata
	C76	0.1uF	CAP CER .1UF 25V 10% X7R 0603	0603	GRM188R71E104KA01D	muRata
	C77	NA	Capacitor, Ceramic, 630V, 220PF,10%	1206	ECJ3FBf2J221K	Panasonic
	C78	NA	Capacitor, Ceramic, 630V, 220PF,10%	1206	ECJ3FBf2J221K	Panasonic
3	C79	1000pF	CAP CER 1000PF 50V 10% X7R 0603	0603	GRM188R71H102KA01D	MuRata
1	C80	N/U	CAP CER 100PF 50V 5% C0G 0603	0603	GRM1885C1H101JA01D	
1	C81	1uF	CAP CER 1UF 25V X7R 10% 0603	0603	GRM188R71E105KA12D	muRata
1	C82	0.1uf	CAP CER .1UF 630V 10% X7R 1812	1812	GRM43DR72J104KW01L	Murata
	C83	0.1uF	CAP CER .1UF 25V 10% X7R 0603	0603	GRM188R71E104KA01D	muRata
2	C85	47uF/35V	Capacitor, Aluminum Electrolytic, 35V, 47uF	0.248 inch	EEU-FC1V470	Panasonic
	C86	47uF/35V	Capacitor, Aluminum Electrolytic, 35V, 47uF	0.248 inch	EEU-FC1V470	Panasonic
1	C87	0.1uf	.1UF/630VDC METAL POLY CAP		ECQ-E6104KF	Panasonic
1	C88	1nF/630V	CAP CER 1000PF 630V 10% X7R 1206	1206	GRM31BR72J102KW01L	MuRata
1	C89	10nF	CAP CER 10000PF 16V 10% X7R 0603	0603	GRM188R71C103KA01D	MuRata
	C117	0.1uF	CAP CER .1UF 25V 10% X7R 0805	0805	GRM21BR71E104KA01L	muRata
8	D2	MURA120T3G	DIODE ULTRA FAST 1A 200V SMA	403D	MURA120T3G	On Semi
1	D5	8ETH06	DIODE UFAST 600V 8A TO-220AC		8ETH06	IR
	D6	MURA120T3G	DIODE ULTRA FAST 1A 200V SMA	403D	MURA120T3G	On Semi
1	D7	MBR1045	DIODE SCHOTTKY 45V 10A TO220AC		MBR1045G	Onsemi
1	D8	BAT54	Diode, Schottky, 200-mA, 30-V	SOT23	BAT54	Vishay-Liteon
1	D9	MUR360	DIODE, Ultrafast,3A,600V	T-18	MUR360	SIYU
1	D10	GBU406	RECT BRIDGE GPP 4A 600V GBU		GBU406	Diode
5	D12	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
3	D13	BAT54	Diode, Schottky, 200-mA, 30-V	SOT23	BAT54	Vishay-Liteon
1	D14	MURA160T3G	Rectifier, SMD Ultrafast Power, 600V 1A	403D	MURA160T3G	On Semi
	D15	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
	D16	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor

1	D17	BAT54	DIODE SCHOTTKY 30V CA SOT23	SOT23	BAT54	On Semiconductor
1	D18	SMAJ130A	DIODE TVS 130V 400W UNI 5% SMA	SMA	SMAJ130A	Littelfuse
3	D20	15V	DIODE ZENER 15V 500MW SOD123	SOD-123	MMSZ5245B	Diodes
1	D21	MURA120T3G	DIODE ULTRA FAST 1A 200V SMA	SMA	MURA120T3G	Onsemi
2	D22	N/A	Rectifier, SMD Ultrafast Power, 600V 1A	403D	MURA160T3G	On Semi
2	D23	1N4148W	Diode, Signal, 300-mA, 75-V, 350-mW	SOD-123	1N4148W	Diodes
2	D24	STPS20100CT	DIODE SCHOTTKY DL 100V 10A TO220		STPS20100CT	ST
	D25	STPS20100CT	DIODE SCHOTTKY DL 100V 10A TO220		STPS20100CT	ST
	D26	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
	D27	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
2	D28	MBR20200CT	DIODE SCHOTTKY DL 200V 10A TO220		MBR20200CT	Onsemi
	D29	N/A	Rectifier, SMD Ultrafast Power, 600V 1A	403D	MURA160T3G	On Semi
	D30	MURA120T3G	DIODE ULTRA FAST 1A 200V SMA	403D	MURA120T3G	On Semi
	D31	MURA120T3G	DIODE ULTRA FAST 1A 200V SMA	403D	MURA120T3G	On Semi
	D32	MURA120T3G	DIODE ULTRA FAST 1A 200V SMA	403D	MURA120T3G	On Semi
	D33	BAT54	Diode, Schottky, 200-mA, 30-V	SOT23	BAT54	Vishay-Liteon
	D34	MBR20200CT	DIODE SCHOTTKY DL 200V 10A TO220		MBR20200CT	Onsemi
	D35	1N4148W	Diode, Signal, 300-mA, 75-V, 350-mW	SOD-123	1N4148W	Diodes
	D36	MURA120T3G	DIODE ULTRA FAST 1A 200V SMA	403D	MURA120T3G	On Semi
	D37	MURA120T3G	DIODE ULTRA FAST 1A 200V SMA	403D	MURA120T3G	On Semi
	D38	MURA120T3G	DIODE ULTRA FAST 1A 200V SMA	403D	MURA120T3G	On Semi
	D39	15V	DIODE ZENER 15V 500MW SOD123	SOD-123	MMSZ5245B	Diodes
	D40	15V	DIODE ZENER 15V 500MW SOD123	SOD-123	MMSZ5245B	Diodes
	D45	BAT54	Diode, Schottky, 200-mA, 30-V	SOT23	BAT54	Vishay-Liteon
1	F1	5A/250V	Fuse, TR5 Series, 4A, 250V	0.335	370 1400 041	Wickmann
1	G1	EM1000X	SURGE ARRESTER 1000V GASTUBE 2PIN		EM1000X	EPCOS
4	J2	25630801RP2	Header, 2mm, 8-pin-F	0.100 x 0.7	25630801RP2	NorComp
	J3	25630801RP2	Header, 2mm, 8-pin-F	0.100 x 0.7	25630801RP2	NorComp
	J4	25630801RP2	Header, 2mm, 8-pin-F	0.100 x 0.7	25630801RP2	NorComp
	J5	25630801RP2	Header, 2mm, 8-pin-F	0.100 x 0.7	25630801RP2	NorComp
1	J6	640497	Connector, 2-Pin (Mates with Amp#640517)		640497	AMP
1	L2	220uH	PFC choke, drop-in, 10mm Height,220uH,5.8A		PFC3812QM-221K06B-00R	TDK
1	L3	47uH	Inductor, 47uH ±10%		DR0608-473L	CoilCraft
1	L4	200 uH	Ind, Couple, xxnH, yyMHz,	0.250 inch	20uH	STD
1	Q12	FDS6675	MOSFET, P-ch, Logic Level, -30V, -11A, 20 milliOhms	SO8	FDS6675	Fairchild
2	Q24	FQT1N60C	MOSFET N-CH 600V 200MA SOT-223		FQT1N60C	Farichild
	Q25	FQT1N60C	MOSFET N-CH 600V 200MA SOT-223		FQT1N60C	Farichild
1	R2	10	RES 10.0 OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710RL	Yageo
3	R3	100K	RES 100K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo
3	R4	750k	RES 750K OHM 1/8W 1% 0805 SMD	0805	RC0805FR-07750KL	Yageo
3	R5	560k	RES 560K OHM 1/8W 1% 0805 SMD	0805	RC0805FR-07560KL	Yageo
1	R11	47k	RES 47.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0747KL	Yageo
4	R13	5.1k	RES 5.10K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-075K1L	Yageo

1	R14	NTC	Resistor, Chip, 1/16W, x%	0603	Std	Std
5	R19	10k	RES 10.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710KL	Yageo
1	R22	100K	RES 100.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo
1	R23	390K	RES 390.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07390KL	Yageo
4	R24	12K	RES 12.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0712KL	Yageo
	R25	12K	RES 12.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0712KL	Yageo
1	R26	100K	RES 100.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo
1	R27	100K	RES 100.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo
	R28	100K	RES 100K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo
2	R29	optional	Resistor, Chip, 1/16W, 1%	0603	std	std
	R30	optional	Resistor, Chip, 1/16W, 1%	0603	std	std
7	R31	200K	RES 200K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07200KL	Yageo
1	R32	4.7K	RES 4.70K OHM 1/8W 1% 0805 SMD	0805	RC0805FR-074K7L	Yageo
	R33	10	RES 10.0 OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710RL	Yageo
1	R34	1.1M	RES 1.1M OHM 1/10W 5% 0603 SMD	0603	RC0603JR-071M1L	Yageo
	R35	10K	RES 10.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710KL	Yageo
1	R36	200K	RES 200K OHM 1/10W 1% 0603 SMD		RC0603FR-07200KL	Yageo
8	R37	4.99	RES 4.99 OHM 1/8W 1% 0805 SMD	0805	RC0805FR-074R99L	Yageo
1	R38	100K	RES 100K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo
1	R40	51K	Resistor, Chip, 1/16W, 1%	0603	std	std
	R41	4.99	RES 4.99 OHM 1/8W 1% 0805 SMD	0805	RC0805FR-074R99L	Yageo
1	R42	2k	RES 2.00K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-072KL	Yageo
	R43	100K	RES 100K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo
1	R46	470	RES 470 OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07470RL	Yageo
1	R47	0	RES 0.0 OHM 1/4W 1206 SMD	1206	RC1206JR-070RL	Yageo
5	R48	10K	RES 10.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710KL	Yageo
1	R49	10.7K	RES 10.7K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710K7L	Yageo
	R50	15k	RES 15.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0715KL	Yageo
	R51	560k	RES 560K OHM 1/8W 1% 0805 SMD	0805	RC0805FR-07560KL	Yageo
	R52	750k	RES 750K OHM 1/8W 1% 0805 SMD	0805	RC0805FR-07750KL	Yageo
	R53	560k	RES 560K OHM 1/8W 1% 0805 SMD	0805	RC0805FR-07560KL	Yageo
1	R54	10	RES 10.0 OHM 1/8W 1% 0805 SMD	0805	RC0805FR-0710RL	Yageo
1	R55	0.2	Resistor, Metal Oxide, 1-W, 2%	0.130 * 0.6	ERX1SZGR10	Panasonic
	R56	750k	RES 750K OHM 1/8W 1% 0805 SMD	0805	RC0805FR-07750KL	Yageo
2	R57	100	RES 100 OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100RL	Yageo
1	R58	20k	RES 20.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0720KL	Yageo Corporation
3	R59	2.2M	RES 2.20M OHM 1/8W 1% 0805 SMD	0805	RC0805FR-072M2L	Yageo
	R60	4.99	RES 4.99 OHM 1/8W 1% 0805 SMD	0805	RC0805FR-074R99L	Yageo
3	R61	1k	RES 1.00K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-071KL	Yageo
4	R62	15k	RES 15.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0715KL	Yageo
1	R63	56k	RES 56.0K OHM 1/10W 1% SMD 0603	0603	RT0603FRE0756KL	Yageo Corporation
1	R64	75k	RES 75.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0775KL	Yageo Corporation
7	R65	100K	RES 100K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo

1	R66	160k	Resistor, Chip, 1/10W, 1%	0603	RC0603FR-07160KL	Yageo Corporation
	R67	2.2M	RES 2.20M OHM 1/8W 1% 0805 SMD	0805	RC0805FR-072M2L	Yageo
	R68	2.2M	RES 2.20M OHM 1/8W 1% 0805 SMD	0805	RC0805FR-072M2L	Yageo
	R70	200K	RES 200K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07200KL	Yageo
	R71	5.1k	RES 5.10K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-075K1L	Yageo
	R72	10K	RES 10.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710KL	Yageo
	R73	12K	RES 12.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0712KL	Yageo
2	R74	11K	RES 11.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0711KL	Yageo
1	R75	1M	RES 1.00M OHM 1/10W 1% 0603 SMD	0603	RC0603FR-071ML	Yageo
	R76	15K	RES 15.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0715KL	Yageo
1	R77	240K	RES 240K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07240KL	Yageo
1	R78	TBD	Resistor, Chip, 1/10W, ?%	0603	Std	Yageo Corporation
1	R79	100k	RES 100K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo Corporation
1	R80	N/A	Resistor, Chip, 1/10W, ?%	0603	tbd	Yageo Corporation
1	R81	2.2	RES 2.20 OHM 1/8W 1% 0805 SMD	0805	RC0805FR-072R2L	Yageo
	R82	15k	RES 15.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0715KL	Yageo
1	R83	91k	RES 91.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0791KL	Yageo Corporation
	R84	10K	RES 10.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710KL	Yageo
2	R85	10	RES 10.0 OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710RL	Yageo
	R86	4.99	RES 4.99 OHM 1/8W 1% 0805 SMD	0805	RC0805FR-074R99L	Yageo
2	R87	NA	Resistor, Chip, 1/16W, x%	0603	Std	Std
	R88	10K	RES 10.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710KL	Yageo
1	R89	120	RES 120 OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07120RL	Yageo
	R90	100K	RES 100K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo
1	R91	100K	RES 100K OHM 1/10W 1% 0603 SMD	0805	RC0603FR-07100KL	Yageo
	R92	12K	RES 12.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0712KL	Yageo
	R93	200K	RES 200K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07200KL	Yageo
1	R94	10K	RES 10K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710KL	Yageo
2	R95	12	RES 12 OHM 1/10W 5% 0603 SMD	0603	RC0603JR-0712RL	Yageo
1	R96	220	RES 220 OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07220RL	Yageo
1	R97	22k	RES 22.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0722KL	Yageo
	R98	12	RES 12 OHM 1/10W 5% 0603 SMD	0603	RC0603JR-0712RL	Yageo
1	R99	24K	RES 24.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0724KL	Yageo
1	R100	3.9k	RES 3.90K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-073K9L	Yageo
1	R101	6.04k	RES 6.04K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-076K04L	Yageo
	R102	NA	Resistor, Chip, 1/16W, x%	0603	Std	Std
	R103	1k	RES 1.00K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-071KL	Yageo
	R104	1k	RES 1.00K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-071KL	Yageo
1	R105	11K	RES 11.0K OHM 1/10W 1% 0603 SMD	0805	RC0603FR-0711KL	Yageo
1	R106	51K	RES 51.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0751KL	Yageo
2	R107	1.8M	RES 1.80M OHM 1/4W 1% 1206 SMD	1206	RC1206FR-071M8L	Yageo
	R108	5.1k	RES 5.10K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-075K1L	Yageo
	R109	10K	RES 10.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710KL	Yageo

2	R110	47K	RES 47.0K OHM 1/4W 1% 1206 SMD	1206	RC1206FR-0747KL	Yageo
	R111	47K	RES 47.0K OHM 1/4W 1% 1206 SMD	1206	RC1206FR-0747KL	Yageo
	R112	1.8M	RES 1.80M OHM 1/4W 1% 1206 SMD	1206	RC1206FR-071M8L	Yageo
1	R113	16K	RES 16.0K OHM 1/10W 1% 0603 SMD	0805	RC0603FR-0716KL	Yageo
	R114	4.99	RES 4.99 OHM 1/8W 1% 0805 SMD	0805	RC0805FR-074R99L	Yageo
	R115	100K	RES 100K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo
	R116	200K	RES 200K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07200KL	Yageo
	R117	4.99	RES 4.99 OHM 1/8W 1% 0805 SMD	0805	RC0805FR-074R99L	Yageo
	R118	100K	RES 100K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo
	R119	200K	RES 200K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07200KL	Yageo
	R120	4.99	RES 4.99 OHM 1/8W 1% 0805 SMD	0805	RC0805FR-074R99L	Yageo
	R121	100K	RES 100K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo
	R122	200K	RES 200K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07200KL	Yageo
2	R123	4.7	RES 4.70 OHM 1/8W 1% 0805 SMD	0805	RC0805FR-074R7L	Yageo
	R124	4.99	RES 4.99 OHM 1/8W 1% 0805 SMD	0805	RC0805FR-074R99L	Yageo
	R125	100K	RES 100K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo
	R126	10K	RES 10.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710KL	Yageo
2	R127	0	RES 0.0 OHM 1/10W 0603 SMD	0603	RC0603JR-070RL	Yageo
1	R128	51	RES 51 OHM 1/10W 5% 0603 SMD	0603	RC0603JR-0751RL	Yageo
	R129	200K	RES 200K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07200KL	Yageo
	R130	5.1k	RES 5.10K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-075K1L	Yageo
	R131	4.7	RES 4.70 OHM 1/8W 1% 0805 SMD	0805	RC0805FR-074R7L	Yageo
4	R133	NA	Resistor, Metal Film, 1/4 watt, ?5%	1206	Std	Std
	R134	NA	Resistor, Metal Film, 1/4 watt, ?5%	1206	Std	Std
	R135	NA	Resistor, Metal Film, 1/4 watt, ?5%	1206	Std	Std
	R136	NA	Resistor, Metal Film, 1/4 watt, ?5%	1206	Std	Std
	R137	100K	RES 100K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100KL	Yageo
1	R138	2.2K	RES 2.20K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-072K2L	Yageo
2	R139	1M	RES 1.00M OHM 1/4W 1% 1206 SMD	1206	RC1206FR-071ML	Yageo
	R140	1M	RES 1.00M OHM 1/4W 1% 1206 SMD	1206	RC1206FR-071ML	Yageo
	R141	0	RES 0.0 OHM 1/10W 0603 SMD	0603	RC0603JR-070RL	Yageo
	R142	10K	RES 10.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710KL	Yageo
1	R143	N/U	Resistor, Chip, 1/10W, ?%	0603	RC0603FR-072K05L	Yageo Corporation
	R144	100	RES 100 OHM 1/10W 1% 0603 SMD	0603	RC0603FR-07100RL	Yageo
	R148	10K	RES 10.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0710KL	Yageo
	R149	11K	RES 11.0K OHM 1/10W 1% 0603 SMD	0603	RC0603FR-0711KL	Yageo
1	T1	1:01:01	Gate transformer, 10mm Height, 1:1:1		CN6808-B	CoilCraft
2	T2	9.0mH	Common Mode choke		LGH-225H-902	TBD
1	T3	1.1mH:300uH	LLC transformer, Ls 300uH, Lm 1.1mH		SRX43EM-P482400XXXXX	TDK
	T4	9.0mH	Common Mode choke		LGH-225H-902	TBD
1	T5	SRW3835EM				TDK
1	U1	LM293AD	IC, Dual Differential Comparators, 2-36 Vin	SO-8	LM293AD	TI
3	U10	FOD817A	OPTOCOUPLER PHOTOTRANS OUT 4DIP		FOD817A	Fairchild

	U14	FOD817A	OPTOCOUPLER PHOTOTRANS OUT 4DIP		FOD817A	Fairchild
	U15	FOD817A	OPTOCOUPLER PHOTOTRANS OUT 4DIP		FOD817A	Fairchild
	C58	39uF	CAP 39UF 450V RADIAL,10X50,±20%,105°C		EKM396M2WG50TC	SAMXON
1	RT1	2.5ohm	Inrush Limiter, NTC, 2.5ohm, 5A		SCK10-2R55	Thinking
3	V1	ERZ-V10D471	SUR ABSORBER 10MM 470V 2500A ZNR		ERZ-V10D471	Panasonic
	V2	ERZ-V10D471	SUR ABSORBER 10MM 470V 2500A ZNR		ERZ-V10D471	Panasonic
	V3	ERZ-V10D471	SUR ABSORBER 10MM 470V 2500A ZNR		ERZ-V10D471	Panasonic
6	C25	2200pf	CAP CER 2200PF 250VAC X1Y2 RAD		CS11-E2GA222MYNS	TDK
	C26	2200pf	CAP CER 2200PF 250VAC X1Y2 RAD		CS11-E2GA222MYNS	TDK
	C37	2200pf	CAP CER 2200PF 250VAC X1Y2 RAD		CS11-E2GA222MYNS	TDK
	C38	2200pf	CAP CER 2200PF 250VAC X1Y2 RAD		CS11-E2GA222MYNS	TDK
	C68	2200pf	CAP CER 2200PF 250VAC X1Y2 RAD		CS11-E2GA222MYNS	TDK
	C70	2200pf	CAP CER 2200PF 250VAC X1Y2 RAD		CS11-E2GA222MYNS	TDK
4	U5	TL431AIDBZR	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZR	TI
	U6	TL431AIDBZR	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZR	TI
	U11	TL431AIDBZR	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZR	TI
	U13	TL431AIDBZR	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZR	TI
1	U4	TLC596xDA	IC, 8 Channels Constant Current FET Driver with Headroom Voltage Control	TSSOP	TLC596xDA	TI
1	Q16	2N7002W	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002W	Diodes
1	Q10	PZT2222A	TRANS AMP NPN GP 40V .5A SOT-223	SOT223	PZT2222A	Fairchild
8	Q5	FQT4N20L	MOSFET N-CH 200V 0.85A SOT-223	SOT223-4	FQT4N20L	Fairchild
	Q15	FQT4N20L	MOSFET N-CH 200V 0.85A SOT-223	SOT223-4	FQT4N20L	Fairchild
	Q18	FQT4N20L	MOSFET N-CH 200V 0.85A SOT-223	SOT223-4	FQT4N20L	Fairchild
	Q19	FQT4N20L	MOSFET N-CH 200V 0.85A SOT-223	SOT223-4	FQT4N20L	Fairchild
	Q20	FQT4N20L	MOSFET N-CH 200V 0.85A SOT-223	SOT223-4	FQT4N20L	Fairchild
	Q21	FQT4N20L	MOSFET N-CH 200V 0.85A SOT-223	SOT223-4	FQT4N20L	Fairchild
	Q22	FQT4N20L	MOSFET N-CH 200V 0.85A SOT-223	SOT223-4	FQT4N20L	Fairchild
	Q2	FQT4N20L	MOSFET N-CH 200V 0.85A SOT-223	SOT223-4	FQT4N20L	Fairchild
1	Q13	MMBT3904LT1	TRANS NPN 40V 200MA SOT23	SOT23	MMBT3904LT1	NXP
1	Q17	Si2309DS	MOSFET, P-ch, -60V, -1.25A, 550 milliohms	SOT23	Si2309DS	Vishay
1	Q9	SPP11N80C3	MOSFET N-CH 800V TO-220	TO-220	SPP11N80C3	Infineon
3	Q7	SPP20N60C3	MOSFET N-CH 650V 20.7A TO-220	TO-220	SPP20N60C3	Infineon
	Q8	SPP20N60C3	MOSFET N-CH 650V 20.7A TO-220	TO-220	SPP20N60C3	Infineon
	Q11	SPP20N60C3	MOSFET N-CH 650V 20.7A TO-220	TO-220	SPP20N60C3	Infineon
1	U9	UCC25600D	IC, Resonant Mode Controller	SO-8	UCC25600D	TI
1	U16	UCC28050D	IC, Transistion Mode PFC Controller	SO8	UCC28050D	TI
1	U7	UCC28610D	IC, Quasi-Resonant Flyback Green-Mode Controller	SO-8	UCC28610D	Texas Instruments

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