

PMP4311\_RevA BOM.bom

Count	Refdes	Value	Description	Part Number	MFR
8	C8-9,C22 C6-7 C24 C27 C36	GRM188R71E104KA01D	CAP CER .1UF 25V 10% X7R 0603	GRM188R71E104KA01D	Murata
2	C32 C34	GRM033R71E181KA01D	CAP CER 180PF 25V X7R 0201	GRM033R71E181KA01D	Murata
2	C4,C31	GRM188R71E102KA01D	CAP CER 1000PF 25V X7R 0603	GRM188R71E102KA01D	Murata
6	C3,C16,C26,C41,C49,C45	GRM188R71E105KA12D	CAP CER 1UF 25V X7R 10% 0603	GRM188R71E105KA12D	Murata
2	C33 C35	GCM188R71E222KA37D	CAP CER 2200PF 25V X7R SMD	GCM188R71E222KA37D	Murata
1	C15	C1608X5R1E475K	Capacitor, Ceramic, 25V, X5R, 10%	C1608X5R1E475K	TDK
2	C5 C28	C1608X7R1H221K	CAP CER 220PF 50V X7R 10% 0603	C1608X7R1H221K	TDK
2	C29-30	C1608X7R1H331K	CAP CER 330PF 50V X7R 0603	C1608X7R1H331K	TDK
1	C25	GRM188R71H153KA01D	CAP CER 15000PF 50V 10% X7R 0603	GRM188R71H153KA01D	Murata
2	C13-14 C46	C1608X5R1E105K	Capacitor, Ceramic, 25V, X7R, 10%	C1608X5R1E105K	TDK
3	C79-80 C12	GRM21BR71E104KA01L	CAP CER .1UF 25V 10% X7R 0805	GRM21BR71E104KA01L	Murata
1	C11	NA			
1	C67	GRM2165C1H102JA01D	CAP CER 1000PF 50V 5% C0G 0805	GRM2165C1H102JA01D	Murata
1	C68	GRM2165C1H101JA01D	CAP CER 100PF 50V 5% C0G 0805	GRM2165C1H101JA01D	Murata
2	C63 C78	GCM21BR71E105KA56L	CAP CER 1UF 25V X7R 0805	GCM21BR71E105KA56L	Murata
2	C10 C21	GRM21BR71C225KA12L	CAP CER 2.2UF 16V X7R 0805	GRM21BR71C225KA12L	Murata
1	C64	22pf	X7R 0805 25V 22pf	std	std
1	C65	GRM32ER7YA106KA12L	CAP CER 10uF 35V 10% X7R 1210	GRM32ER7YA106KA12L	Murata
1	C77	GRM32ER61C476ME15L	CAP CER 47uF 16V 10% X7R 1210	GRM32ER61C476ME15L	Murata
1	C23	10uF	CAP 10UF 400V ELECT EE RADIAL	EEU-EE2G100	Panasonic
4	C38-39 C47-48	DE1E3KX102MA5BA01	CAP 1000PF 250VAC E X1Y1 RAD	DE1E3KX102MA5BA01	MuRata
6	C17-19 C37 C40 C42	B32923A2105M	CAP 1.0UF 305VAC EMI SUPPRESSION	B32923A2105M	EPCOS
1	C66	EEU-FC1E102	CAP 1000UF 25V ELECT FC RADIAL	EEU-FC1E102	Panasonic
5	C1-2 C20 C43-44	EET-UQ2W471DA	CAP 470UF 450V ELECT TS-UQ	EET-UQ2W471DA	Panasonic
3	J12-14	CX35-36-C	LUG FIXED, #6-14, 50A, 3/16 inch, Copper/Tin, Uninsulated	CX35-36-C	Panduit
2	J7 J8 J9 J10 J11 J15	62409-1	CONN, Tab Faston TH	62409-1	Tyco
2	D6 D29	1N4007	DIODE GPP 1A 1000V D041	1N4007	Fairchild
3	D3 D5 D13	D-BAS16,BAS16	DIODE ULTRAFAST HI COND SOT-23	BAS16	Fairchild
9	D7 D15 D20-22 D27 D49-50 D53	D-BAS16,BAS16	DIODE ULTRAFAST HI COND SOT-23	BAS16	Fairchild
6	D1-2 D4 D10-11 D16	BAT54	DIODE SCHOTTKY 30V 200MA SOT-23	BAT54	Fairchild
1	D14	NA			
1	D28	BAV99	DIODE ULTRAFAST HI COND SOT-23	BAV99	Fairchild
2	D44,D48	MURA120T3G	Rectifier, SMD Ultrafast Power, 200V 1A	MURA120T3G	Onsemi
2	D12 D45	MURA160T3G	Rectifier, SMD Ultrafast Power, 600V 1A	MURA160T3G	Onsemi
1	D47	SMA6J130A	TRANSIL 600W 130V UNIDIRECT SMA	SMA6J130A	ST
2	D46 D51	MMSZ15T1G	DIODE ZENER 15V 500MW SOD-123	MMSZ15T1G	Onsemi
2	D8 D26	BAV20W-7-F	DIODE SWITCH 400MA 150V SOD123	BAV20W-7-F	Diodes
1	D9	STTH506D	DIODE ULT FAST 600V 5A TO-220AC	STTH506D	ST
2	D23 D25	33V	Diode, Zener, 33-V, 3.8-mA, 350-mW, 5%	MMBZ5257BLT1	Motorola
2	FB3-4	0215020.MXEP	Fuseholder, 1/4 fuses		Littelfuse
1	G1	A81-A600X	SURGE ARRESTER 600V GASTUBE 2PIN	A81-A600X	EPCOS
3	L1 L5 L8	10mH	Inductor, Common Mode, 10mH, 7milliohm, 30A		
1	U6	LM239PW	IC, Quad Comparators	LM239PW	TI
1	U9	FOD817ASD	OPTOCOUPLER PHOTOTRANS OUT 4-SMD	FOD817ASD	Fairchild
2	D31-32	GBJ2508-F	RECT BRIDGE GPP 800V 25A GBJ	GBJ2508-F	Diodes
2	D24 D30	APT30DQ60BG	Diode, UltraFast Rectifier, 30A, 600V	APT30DQ60BG	Microsemi
2	L6-7	Power Inductor 360uH			
4	Q6-9	APT38N60BC6	MOSFET N-CH 600V 38A TO-247	APT38N60BC6	Microsemi
1	S2	855AP-1C-C	Relay 30A	855AP-1C-C	SongChuan
3	R21 R35 R45	R603,0	Resistor, Chip, 1/10W, 1%	std	std

3	R5 R47-48	R603,1.0k	Resistor, Chip, 1/10W, 1%	std	std
1	R88	R603,100K	Resistor, Chip, 1/10W, 1%	std	std
1	R67	R603,1.5M	Resistor, Chip, 1/10W, 1%	std	std
2	R23 R75	R603,10	Resistor, Chip, 1/10W, 1%	std	std
1	R6	R603,100.0k	Resistor, Chip, 1/10W, 1%	std	std
2	R1 R9	R603,100k	Resistor, Chip, 1/10W, 1%	std	std
11	R3 R8 R16 R18 R31 R33 R56 R58 R60 R73 R95	R603,10k	Resistor, Chip, 1/10W, 1%	std	std
1	R25	R603,82K	Resistor, Chip, 1/10W, 1%	std	std
2	R42 R46	R603,12K	Resistor, Chip, 1/10W, 1%	std	std
1	R93	R603,12k	Resistor, Chip, 1/10W, 1%	std	std
2	R22 R41	R603,15k	Resistor, Chip, 1/10W, 1%	std	std
1	R20	R603,180k	Resistor, Chip, 1/10W, 1%	std	std
1	R32	R603,1M	Resistor, Chip, 1/10W, 1%	std	std
1	R17	R603,200k	Resistor, Chip, 1/10W, 1%	std	std
3	R4 R53-54	R603,1k	Resistor, Chip, 1/10W, 1%	std	std
1	R52	R603,2.0k	Resistor, Chip, 1/10W, 1%	std	std
1	R19	R603,200k	Resistor, Chip, 1/10W, 1%	std	std
1	R68	R603,221	Resistor, Chip, 1/10W, 1%	std	std
1	R30	R603,100k	Resistor, Chip, 1/10W, 1%	std	std
2	R2 R37	R603,24k	Resistor, Chip, 1/10W, 1%	std	std
1	R51	R603,2k	Resistor, Chip, 1/10W, 1%	std	std
1	R36	R603,300k	Resistor, Chip, 1/10W, 1%	std	std
1	R7	NA			
1	R15	30K	Resistor, Chip, 1/10W, 1%	std	std
1	R69	R603,4.7k	Resistor, Chip, 1/10W, 1%	std	std
1	R43	R603,5.1K	Resistor, Chip, 1/10W, 1%	std	std
1	R44	R603,5.6k	Resistor, Chip, 1/10W, 1%	std	std
1	R40	R603,6.2k	Resistor, Chip, 1/10W, 1%	std	std
1	R12	R603,47K	Resistor, Chip, 1/10W, 1%	std	std
1	R55	NCP18XH103J03RB	THERMISTOR 10K OHM NTC 0603 SMD	NCP18XH103J03RB	Murata
5	R29 R62-64 R74	R0805,1M	Resistor, Chip, 1/8W, 1%	std	std
2	R65 R72	R0805,1M	Resistor, Chip, 1/8W, 1%	std	std
2	R66 R76	R0805,1.1M	Resistor, Chip, 1/8W, 1%	std	std
1	R24	R1206,1M	Resistor, Chip, 1/4 watt,1%	std	std
4	R38-39 R49-50	ERJ-14YJ361U	RES 360 OHM 1/2W 5% 1210 SMD	ERJ-14YJ361U	Panasonic
4	R59 R61 R70-71	R0805_1%,22	Resistor, Chip, 1/8W, 1%	std	std
1	R91	R0805_1%,10	Resistor, Chip, 1/8W, 1%	std	std
2	R83 R92	R0805_1%,100K	Resistor, Chip, 1/8W, 1%	std	std
1	R87	R0805_1%,10K	Resistor, Chip, 1/8W, 1%	std	std
1	R85	R0805_1%,12K	Resistor, Chip, 1/8W, 1%	std	std
1	R78	R0805_1%,160K	Resistor, Chip, 1/8W, 1%	std	std
1	R94	R0805_1%,1K	Resistor, Chip, 1/8W, 1%	std	std
1	R84	R0805_1%,8.2K	Resistor, Chip, 1/8W, 1%	std	std
6	R13-14 R26-28 R34	R0805_1%,1M	Resistor, Chip, 1/8W, 1%	std	std
1	R11	R0805_1%,2.2	Resistor, Chip, 1/8W, 1%	std	std
3	R77 R89-90	R0805_1%,2.2M	Resistor, Chip, 1/8W, 1%	std	std
1	R82	R0805_1%,20K	Resistor, Chip, 1/8W, 1%	std	std
1	R86	R0805_1%,43K	Resistor, Chip, 1/8W, 1%	std	std
1	R10	R0805_1%,4.7K	Resistor, Chip, 1/8W, 1%	std	std
1	R79	R0805_1%,56K	Resistor, Chip, 1/8W, 1%	std	std
1	R81	R0805_1%,100K	Resistor, Chip, 1/8W, 1%	std	std
1	R80	R0805_1%,91K	Resistor, Chip, 1/8W, 1%	std	std
1	R57	R1206_1%,1M	Resistor, Chip, 1/4 watt,1%	std	std
1	T5	SRW16_REVB			
2	BT4-5	B57237S0080M000	CURRENT LIMITER INRSH 8 OHM 20%	B57237S0080M000	Epcos
2	U4,U10	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	TL431AIDBZ	TI

1	Q2	NA	MOSFET N-CH 60V 340MA SOT23	2N7002K	NXP
1	Q12	MMBT3904LT1	TRANS GP SS NPN 40V SOT23	MMBT3904LT1	Onsemi
1	Q5	Si2309DS	MOSFET P-CH 60V 1.25A SOT23-3	Si2309DS	Vishay
1	Q1	SPP04N80C3	MOSFET N-CH 800V 4A TO-220AB	SPP04N80C3	Infineon
1	U2	UCC28070PW	IC, Two- Phases Interleaved CCM PFC Controller	UCC28070PW	TI
1	U8	UCC28610D	IC, Quasi-Resonant Flyback Green-Mode Controller	UCC28610D	TI
2	U1 U3	UCC27322D	IC, Single 9-A High Speed Low-Side MOSFET Driver/ Enable	UCC27322D	TI
3	RT1-2 RT6	S20K275	VARISTOR 275V RMS 20MM RADIAL	S20K275	Epcos
2	L2-3	XFMR_CS4200V	Current Sense transformer 200:1	CS4200V	Coilcraft

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