

**PMP4301 RevB BOM**

<b>QTY</b>	<b>RefDes</b>	<b>Description</b>	<b>MFR</b>	<b>Part Number</b>
1	C1	CAP, Aluminum, 63V, 10uF, 20%	Samxon	EKS106M1JE07RR
1	C2	CAP, 0.1UF 450V FILM BOX TYPE 10%	Panasonic	ECWF2W104KAQ
1	C5	CAP, 68NF 305VAC EMI SUPPRESSN	EPCOS	B32921C3683M
1	C9	CAP, 0.1UF 305VAC EMI SUPPRESSN	EPCOS	B32921C3104M
1	C6	CAP, Aluminum, 50V, 1000uF, 20%	Samxon	EKM108M1HG20RR
1	C8	CAP, Ceramic,1uF,50V,X7R,20%	muRata	ECJ2FF1H105Z
1	C11	CAP, CER 2.2UF 25V X7R 0805	muRata	GCM21BR71E225KA73
6	C12,C25,C27, C29,C39,C40	CAP, CER 0.1UF 25V X7R RAD	muRata	RDER71E104K0K1C03B
3	C14,C16,C22	CAP, CER 1NF 16V 10% X7R 0603	muRata	GRM033R71C102KD01D
1	C15	CAP, Aluminum, 25V 47uf, 20%	Samxon	EKS476M1CD07RR
1	C18	CAP, CER 47PF 25V 5% C0G 0603	muRata	GRM0335C1E470JD01D
1	C21	CAP, 2200PF 250VAC CERAMIC Y1	Panasonic	ECKANA222MB
1	C23	CAP, CER 68nF 16V 10% X7R 0603	muRata	GRM188R71C683KA01D
3	C24,C26,C32	CAP, CER 2.2UF 16V X5R 0603	muRata	GRM188R61C225KE15D
1	C30	CAP, CER 1UF 16V X7R 0603	muRata	GRM188R71C105KA12D
1	D1	DIODE,Transient Voltage Suppressor,200V	Vishay	P6KE200A
1	D2	Diode, Ultra Fast Rectifier, 3A, 400V	ON Semi	MURS340T3G
1	D3	Bridge Rectifier, 600V, 0.8A	Diodes	HD06
2	D5,D10	Diode, Zener, 15V, 5-mA	Diodes	BZT52C15
1	D6	Diode, Ultra Fast Rectifier, 1A, 600V	ON Semi	MURA160T3
1	D7	Diode, Ultra Fast Rectifier, 1A, 200V	ON Semi	MURA120T3
2	D8,D9	Diode, Ultra Fast Rectifier, 1A, 400V	ON Semi	MURA140T3
1	D11	Diode, Dual Schottky, 300mA, 40V	ST	BAT54AFILM
1	F1	Fuse, Time lag ,1A, 250Vac	LANSON	3N1100A
1	J2	Terminal Block, 2pin, 6A, 3.5mm	OST	ED555/2DS
1	L3	I-inductor,DR8-10,1mH	Pulse	PG1090NL
2	L2,L4	Common choke,EI-11.6,30mH	Pulse	PG1088NL
1	L5	Common choke,T6-3-2,0.25mH	Pulse	PG1089NL
2	Q4, Q6*	Bipolar, NPN, 40V, 200mA, 330mW	Infineon	MMBT3904LT1
1	Q5	MOSFET, N-ch, 800V,1.3 Ohms	Infineon	SPA04N80C3
1	R2*	Resistor, Chip, 1/16W, 36K, 1%,0603	Std	Std
1	R3*	Resistor, Chip, 1/16W, 5.1K, 1%,0603	Std	Std
3	R4,R7,R8	Resistor, Chip, 1/10W, 100K, 1%,0805	std	Std
2	R9,R12	Resistor, Chip, 1/10W, 24K, 1%,0805	std	std
1	R10	Resistor, Chip, 1/10W, 10K, 1%,0805	std	Std
1	R11	Resistor, Chip, 1/4 W, 0.5, 5%,1206	Std	Std

1	R13	Resistor, Chip, 1/16W, 3.9, 1%,0603	Std	Std
2	R15,R18	Resistor, Chip, 1/10W, 1M, 1%,0805	std	std
1	R16	Resistor, Chip, 1/16W, 180K, 1%,0603	Std	Std
1	R17	Resistor, Chip, 1/16W, 3.3K, 1%,0603	Std	Std
1	R20	Resistor, Chip, 1/16W, 20K, 1%,0603	Std	Std
5	R21,R33,R39 R41,R47	Resistor, Chip, 1/16W, 10K, 1%,0603	Std	Std
1	R23	Resistor, Chip, 1/16W, 10, 1%,0603	Std	Std
1	R26	Resistor, Chip, 1/16W, 22K, 1%,0603	Std	Std
1	R35	Resistor, Chip, 1/16W, 330, 1%,0603	Std	Std
1	R36	Resistor, Chip, 1/4 W, 0.68, 5%,1206	Std	Std
1	R37	Resistor, Chip, 1/16W, 3.9K, 1%,0603	Std	Std
1	R38	Resistor, Chip, 1/16W, 1.2K, 1%,0603	Std	Std
1	R44	Resistor, Chip, 1/16W, 100K, 1%,0603	Std	Std
1	R45	Resistor, Chip, 1/16W, 2.2M, 1%,0603	std	std
1	R46	Resistor, Chip, 1/16W, 5.6K, 1%,0603	Std	Std
1	R48	Resistor, Chip, 1/16W, 1K, 1%,0603	Std	Std
1	T1	Transformer, Lp=520uH	Pulse	PG1054NL-S04
1	U1	IC, LED Lighting Power Controller	TI	UCC28810D
1	U2	IC, Dual OPAMP With Internal Reference	TI	TL103WAID
1	U4	IC, Optocoupler, 35-V, 600% CTR	SHARP	PC817CIJ000F

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
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