

PMP6536_REVC BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	BD1	30 Ohms	FERRITE CHIP 30 OHM 5A 0603	1608	MPZ1608S300A	TDK
2	C1, C18	0.1uF	CAP .1UF 250/275VAC	0.689 x 0.217 inch	ECQ-U2A104ML	Panasonic
4	C12, C13, C14, C15	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	STD	STD
1	C16	1000uF	CAP 1000UF 16V ELECT M RADIAL	10 x 16 mm	ECA-1CM102B	Panasonic
1	C19	4700pF	Capacitor, Ceramic, 50V, X7R, 15%	0402	STD	STD
2	C2, C5	0.1uF	Capacitor, Ceramic, 25V, X7R, 15%	0402	STD	STD
1	C20	100pF	Capacitor, Ceramic, 50V, C0G, 5%	0402	STD	STD
1	C23	68uF	CAP 68UF 400V ELECT KXG RAD	18x25 mm	EKXG401ELL680MM25S	United Chemi-Con
1	C24	4700pF	Capacitor, Ceramic, 250VAC	0.394 X 0.315 inch Max.	ECKNTS472ME	Panasonic
1	C3	22pF	Capacitor, Ceramic, 50V, C0G, 5%	0402	STD	STD
1	C4	47uF	Capacitor, Alum Electrolytic, 35V, -40 to +85C, ±20%	6.3x11 mm	STD	STD
1	C6	0.22uF	Capacitor, Ceramic, 16V, X5R, 15%	0402	STD	STD
4	C7, C8, C9, C10	22uF	Capacitor, Ceramic, 16V, X7R, 15%	1210	STD	STD
1	D1	MURA160T3G	Rectifier, SMD Ultrafast Power, 800V 1A	403D	MURA160T3G	On Semi
2	D2, D3	MMSD914T1	Diode, Switching, 100-V, 200-mA, 225-mW,	SOD-123	MMSD914T1	On Semi
1	D4	GBU4J	RECT BRIDGE GPP 4A 600V GBU	0.880 x 0.140 inch	GBU4J	Fairchild
1	D5	BAT54WX	DIODE SCHOTTKY 30V SOD-523	SOD-523	BAT54WX	Micro Commercial Co
1	D7	MMSZ5248BT	Diode, Zener, xx-mA, yy-V	SOD123	MMSZ5248BT	On Semi
2	D8, D9	1SMB5954BT3G	DIODE ZENER 160V 3W SMB	SMB	1SMB5954BT3G	On Semi
1	F1	3.15A	Fuse, Slow Blow, 3.15A	0.335 inch	37213150001	Wickmann
1	HS1	576802B00000G	Heatsink, TO-220 Vertical-mount,	0.500 x 0.570 inch	576802B00000G	Thermalloy
1	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	J2	4300.0097	Connector, .250 VAC, 2.5A Board mount	1.378 x 0.752 inch	4300.0097	Schurter
1	L2	4.7uH	Inductor, Power,	0.350 x 0.300 inch	RFB0807-4R7L	Coilcraft
1	L4	1.3mH	Inductor, 0.7A, 0.5ohm	0.433 x 0.670 inch	UU9.8V-132	GCI
1	Q1	SPP06N80C3	Trans, Cool MOS Power Nchan, 800V, 11A, 450 milliohm	TO-220AB	SPP06N80C3	Infineon
1	Q3	PSMN8R5-60YS	MOSFET, Nch, 60V, 76A, 8 milliOhms	SOT-669	PSMN8R5-60YS	NXP
2	R1, R16	0	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R10	49.9k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R11	200	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R12	169k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R13	69.8k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
3	R14, R23, R25	100k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R15	1k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R17	0.3	Resistor, 1/4W, 5%	1210	STD	STD
1	R18	249k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R19, R24	100	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R2	2k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R20	51.1k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R22	26.1k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R26	10	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R27	1M	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R4, R5	3MEG	Resistor, 1/4 watt, 5%	1206	STD	STD
1	R6	3.3	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R7	2k	Resistor, Chip, 1/10W, 5%	0805	STD	STD
1	R8	20k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R9	54.9k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	RT1	1 Ohms	CURRENT LIMITR INRSH 1 OHM 15%	6x11.5 mm	B57236S0259L002	Epcos
1	T2	290 uH	Xfmr, Flyback, ±12%	26.00 x 29.00 mm	G104046LF	GCI
2	TP1, TP2	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP3	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	UCC28610D	IC, Quasi-Resonant Flyback Green-Mode Controller	SO8	UCC28610D	TI
1	U2	FOD817A	IC, Optocoupler, 5300-V, 80-160% CTR	DIP-4	FOD817A	Fairchild
1	U3	TL431DBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431DBZ	TI
1	U4	UCC24610D	IC, SECONDARY-SIDE SYNCHRONOUS RECTIFIER CONTROLLER FOR 5V SYSTEMS	SO-8	UCC24610D	TI
1	U5	TPS71550DCKR	IC, LDO, 5V	SOP-5 (DCK)	TPS71550DCKR	TI

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