

PMP6588_REVD BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	0.022uF	Capacitor, Polyester, 400V, 10%	0.311 x 0.213 inch	ECQ-E2223KB	Panasonic
1	C10	470pF	Capacitor, Ceramic, 50V, C0G, 5%	0402	STD	STD
1	C12	47uF	CAP 47UF 400V ELECT ED RADIAL	0.571 inch	EEU-ED2G470	Panasonic
1	C13	0.1uF	CAP .1UF 250/275VAC	0.689 x 0.217 inch	ECQ-U2A104ML	Panasonic
2	C16, C27	0.1uF	Capacitor, Ceramic, 16V, X7R, 10%	0402	Std	Std
1	C17	0.22uF	CAP .22UF 250/275VAC	0.689 x 0.217 inch	ECQ-U2A224ML	Panasonic
1	C18	22uF	Capacitor, Ceramic, 16V, X5R, 20%	1210	Std	Std
2	C19, C22	1uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0402	Std	Std
5	C2, C7, C11, C14, C15	0.1uF	Capacitor, Ceramic, 25V, X7R, 15%	0402	STD	STD
1	C20	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
1	C21	3300pF	Capacitor, Ceramic, 16V, X7R, 10%	0402	Std	Std
2	C23, C24	22uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0805	Std	Std
2	C25, C26	OPEN	Capacitor, Ceramic, 16V, X7R, 10%	0402	Std	Std
1	C29	220pF	CAP CER 220PF 250VAC X1Y2 RAD	7.00 Dia mm	CS70-B2GA221KYNS	TDK
1	C3	100pF	Capacitor, Ceramic, 50V, C0G, 5%	0402	STD	STD
1	C30	220uF	CAP ALUM POLY 220UF 16V RAD	0.315 inch	RL81C221MDN1KX	Nichicon
1	C4	47uF	Capacitor, Alum Electrolytic, 35V, -40 to +85C, ±20%	6.3x11 mm	STD	STD
2	C5, C8	470uF	CAP 470UF 35V ELECT KZE RAD	10.00 mm Dia	EKZE350ELL471MJ20S	United Chemi-Con
2	C6, C9	1uF	Capacitor, Ceramic, 50V, X7R, 15%	1206	STD	STD
1	D1	MURA160	DIODE ULTRA FAST 1A 600V SMA	403D	MURA160	On Semi
1	D2	MBRS3100	DIODE SCHOTTKY 100V 3A SMC	SMC	MBRS3100	ON Semi
1	D3	MMSD914T1	Diode, Switching, 100-V, 200-mA, 225-mW,	SOD-123	MMSD914T1	On Semi
1	D4	RH06-T	Diode, Bridge, 0.5-A, 600-V	MiniDIP	RH06-T	Diodes
1	D5	BAT54WX	DIODE SCHOTTKY 30V SOD-523	SOD-523	BAT54WX	Micro Commercial Co
1	D6	DNP	Do Not Populate	SOD-323	N/A	N/A
1	D7	18V	DIODE ZENER 18V 500MW SOD-123	SOD123	MMSZ5248BT	On Semi
1	D8	MBRB20200CT	DIODE SCHOTTKY DUAL 200V D2PAK	D2PAK	MBRB20200CT	ON Semi
1	F1	3.15A	Fuse, Slow Blow, 3.15A	0.335 inch	37213150001	Wickmann
2	L1, L2	10 mH	Inductor, Coupled	7.5x15 mm	744821110	WE
1	L3	10uH	Inductor, SMT, 4A, 65-milliohm	0.255 x 0.270 inch	PCMB063T-100MS	Cyntec
1	Q1	STD13NM60N	MOSFET N-CH 600V 11A DPAK	DPAK	STD13NM60N	STMicroelectronics
1	Q2	AO4441	MOSFET P-CH 60V 4A 8-SOIC	SO8	AO4441	Alpha & Omega Semiconductor Inc
1	Q3	TLV809K33	IC, Supply Voltage Supervisor	SOT23	TLV809K33DBVR	TI
1	Q4	2N7002W	MOSFET, Nch, 60V, 115mA	SOT323 [SC70]	2N7002W	Diodes

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COUNT	RefDes	Value	Description	Size	Part Number	MFR
3	R1, R2, R100	49.9k	Resistor, 1W, 5%	2512	STD	STD
1	R10	20.0k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R11	53.6k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R12	30.1k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R13	150	Resistor, Chip, 1/10W, 5%	0805	STD	STD
1	R14	49.9k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R15, R31	0	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R16	2k	Resistor, Chip, 1/10W, 5%	0805	STD	STD
1	R21	121K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R22	22.1K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
3	R23, R24, R25	100K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R26	OPEN	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R3, R17	10	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R30	124k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
2	R4, R5	3MEG	Resistor, 1/4 watt, 5%	1206	STD	STD
1	R6	169k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
5	R7, R9, R18, R19, R20	100k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R8	2.61k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	T2	110 uH	Transformer, EF25V 3.6 A	0.800 x 1.020 inch	750811243 Rev2	Wurth
4	TP1, TP2, TP10, TP11	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP12	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	TP3	5012	Test Point, White, Thru Hole	0.125 x 0.125 inch	5012	Keystone
2	TP4, TP6	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
3	TP5, TP8, TP13	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	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	TLVH431A	IC, Adjustable Precision Shunt Regulator	SC-70	TLVH431AIDCKR	TI
1	U4	TPS53312RGT	IC, 4.5-18V Input, 3A Step-down Regulator with Integrated Switcher	QFN-16	TPS53312RGT	TI
1	U5	TPS79333	IC, UltraLow-Noise, High PSRR, Fast RF 200 mA, LDO Regulator	SOT25	TPS793xxxDBV	TI

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