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PMP7413_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	0.047uF	Capacitor, Ceramic, 630V, X7R, 15%	1210	STD	STD
1	C11	100uF	Capacitor, Aluminum, 16V, 20%	0.260 x 0.276 inch	EEVFK1C101P	Panasonic
5	C13, C17, C22, C24, C101	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
1	C15	220pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	STD	STD
1	C16	0.47uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	STD	STD
1	C18	4700uF	CAP ALUM 4700UF 6.3V 20% RADIAL	12.00 mm Dia	EKY-6R3ELL472MK30S	United Chemi-Con
1	C19	0.1uF	CAP .1UF 250/275VAC ECQ-UL	0.689 x 0.236 inch	ECQ-U2A104ML	Panasonic
1	C20	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
2	C23, C102	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
1	C29	2200pF	CAP CER 2200PF 250VAC X1Y2 RAD	7.00 Dia mm	STD	TDK
3	C3, C21, C100	1000pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	STD	STD
1	C4	100uF	CAP ALUM 100UF 450V 20% SNAP	0.886 Dia.	EET-UQ2W101BA	Panasonic
1	C5	0.01uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	STD	STD
1	C6	330pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
4	C7, C14, C25, C103	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	STD	STD
4	C8, C10, C12, C200	22uF	Capacitor, Ceramic, 16V, X5R, 15%	1210	STD	STD
1	D10	91V	Diode, Zener, 91-V, -225-mW	SOT23	MMBZ5270BLT1	ON Semi
1	D11	BAV99	Diode, Dual Ultra Fast, Series, 200-mA, 70-V	SOT23	BAV99	Fairchild
1	D15	3.6V	Diode, Zener, 3.6-V, -225-mW	SOT23	MMBZ5227BL	ON Semi
9	D3, D5, D6, D7, D12, D14, D100, D101, D102	MMSD914T1	Diode, Switching, 100-V, 200-mA, 225-mW,	SOD-123	MMSD914T1	On Semi
2	D8, D9	MBR0530T	Diode, Schottky, 0.5A, 30V	SOD-123	MBR0530	On Semi
1	F2	2A Fast Acting, 500VAC/400VDC	Fuse Clip, 5x20 mm, 250VAC 10A	9.60 X 22.00 mm	0031-82xx	OGN
1	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	3.9uH	Inductor, SMT, 25-A, 2-milliohm	0.790 x 0.770 inch	SER2014-402MX	Coilcraft
1	L3	1mH	INDUCT PWR 1MH SMD	0.244 x 0.244 inch	PG0087.105NLT	Pulse
1	Q1	STD4NK80ZT4	MOSFET N-CH 800V 3A DPAK	DPAK	STD4NK80ZT4	STMicroelectronics
1	Q12	2N7002	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002	Diodes
1	Q2	MMBT2907A	Transistor, PNP, -60V, -600mA, 225-W	SOT23	MMBT2907ALT1	On Semi
2	Q4, Q7	CSD17501Q5A	MOSFET N-CH 30V 100A SON5x6	TDSON-8	CSD17501Q5A	TI
1	Q6	STB7NK80ZT4	MOSFET N-CH 800V 5.2A D2PAK	SMD-220	STB7NK80ZT4	STMicroelectronics
1	Q8	13003	Transistor, NPN High Voltage Switch Mode, 400V, 1.5A	TO-92	13003	STD
8	R1, R5, R14, R22, R26, R28, R33, R101	10k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R11	15k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R12, R24	1MEG	Resistor, Metal Film, 1/4 watt, 5%	1206	Std	Std
2	R13, R36	499	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R15	10	Resistor, Metal Film, 1/4 watt, 5%	1206	Std	Std
2	R16, R21	0	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R17	12.4k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R18	3.15k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
4	R19, R23, R31, R32	499k	Resistor, Metal Film, 1/4 watt, 5%	1206	Std	Std
1	R20	51.1	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R200, R201	10	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R25	0.22	Resistor, Metal Film, 1/4 watt, 5%	1206	Std	Std
1	R27	3.3	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R29	200k	Resistor, Metal Oxide, 1W, 5%	2512	STD	STD
2	R30, R37	0.005	Resistor, 1W, 5%	2512	STD	STD
1	R34	7.5k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R4	2.49k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R40	40.2k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
5	R6, R8, R35, R38, R39	1k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R7, R100	100k	Resistor, Chip, 1/16W, 1%	0603	STD	STD

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2	R9, R10	84.5k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	T1	700 uH	Transformer, Forward ±15%	1.250x1.250 inch	RLTI-1054	Renco
1	T2	G044052	Transformer, Flyback,	0.550 X 0.550 inch	G044052	GCI
2	TP1, TP2	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP3, TP6	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
2	TP4, TP5	5012	Test Point, White, Thru Hole	0.125 x 0.125 inch	5012	Keystone
1	TP7	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
1	TP8	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	U1	UCC2897APW	IC, Current-Mode Active Clamp PWM Controller	PW20	UCC2897APW	TI
2	U2, U7	TCMT1107	IC, Photocoupler	MF4	TCMT1107	Vishay
1	U3	TL103WAID	IC, Dual OpAmp With Internal Reference	SO8	TL103WAID	TI
1	U5	TL431DBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431DBZ	TI
1	U6	SN74AHCT74PW	IC, Dual D Flip Flop, Pos Trig, with Clear and Preset	TSSOP14	SN74AHCT74PW	Texas Instruments

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