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PMP5997_REVC BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
9	C1, C2, C9, C15, C17, C18, C19, C22, C23	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C10	0.047uF	Capacitor, Ceramic, 250-V, X7R	1206	C3216X7R2E473M	TDK
1	C100	0.068uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H683K	TDK
	C11, C12, C24		Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C13	100uF	Capacitor, Aluminum, 25V, ZL Series	0.200 * 0.435 inch	25V ZL 100uF	Rubycon
	C14	1000pF	Capacitor, Ceramic, 2kV, C0G, 10%	1812	Std	Std
1	C16	47pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	C1608C0G1H470K	TDK
1	C20	0.033uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H333K	TDK
1	C21	220pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H221K	TDK
1	C25	1000pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H102K	TDK
1	C26	2200pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H222K	TDK
1	C27	4.7uF	Capacitor, Ceramic, 16V, X7R, 15%	0805	Std	Std
4	C3, C4, C5, C6	2.2uF	Capacitor, Ceramic, 100-V, X7R, 20%	1210	C3225X7R2A225M	TDK
2	C7, C8	680uF	Capacitor, Conductive Polymer, 6.3V	0.394 inch	6SEPC680M	Sanyo
1	D1	MBRA340	Diode, Schottky, 3-A, 40-V	SMA	MBRA340LT3	ON Semi
1	D2	5.1V	Diode, Zener, 5.1-V	SOT23	BZX84C5V1LT1	ON Semiconductor
2	D3, D6	DNP	Do Not Populate	SOD-123	N/A	N/A
5	D4, D5, D7, D9, D10	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	D8	BAT54AWT1	Diode, Dual Schottky, 200-mA, 30-V	SOT323	BAT54AWT1	On Semi
3	J1, J2, J5	8600-0-05-xx-00-00-03-0	Header, Single pin	0.072 x 1	8600-0-05-01-00-00-03-0	Mill-Max
2	J3, J4	8952-0-05-xx-00-00-03-0	Header, Single pin	0.125 x 1	8952-0-05-01-00-00-03-0	Mill-Max
1	L1	2.4uH	Inductor, SMT	0.770 x 0.780 inch	PA1494.242ANL	Pulse
	L2		Inductor, SMT, 0.1A, 14ohm	0.26x0.09 inch	DO1608C-105ML	Coilcraft
1	Q1	BCX5616TA	TRANSISTOR NPN 80V SOT-89	SOT-89	BCX5616TA	Diodes
4	Q2, Q3, Q8, Q10	CSD16401Q5A-R	MOSFET, NChan, 25V, 37A, 1.3milliOhm	QFN5X6mm	CSD16401Q5A-R	TI
1	Q4	IRF6216	MOSFET, P-ch, 150-V, 2.2-A, 240-milliOhms	SO8	IRF6216	International Rectifier
2	Q5, Q6	IRFH5015PBF	MOSFET, NChan, 150V, 30A, 31millohm	PWRPAK S0-8	IRFH5015PBF	
1	Q7	MMBT3904	Bipolar, NPN, 40-V, 200-mA	SOT23	MMBT3904LT1	On Semi
1	Q9	MMBT3906	Bipolar, PNP, 40-V, 200-mA	SOT23	MMBT3906LT1	On Semi
1	R1	1k	Resistor, Chip, 1/16W, x%	0805	Std	Std
	R10	3.74k	Resistor, Chip, 1/16W, 1%	0603		Std
1	R101	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	1.65k	Resistor, Chip, 1/16W, 1%	0603	Std	Std

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2	R13, R100	7.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R14, R16	75k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	121k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R18, R22	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	49.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R2, R5, R24, R30	DNP	Do Not Populate	0603	N/A	N/A
2	R25, R31	499k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R26	301	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R3, R15, R27, R29	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R32	6.04k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	20	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R6, R7	0.05	Resistor, Chip, 1-W, 1%	2512	Std	Std
4	R8, R21, R23, R28	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R9, R11, R20	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	JA4309-AL	Transformer, Planar	20.57 x 23.37 mm	JA4309-AL	Coilcraft
1	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
1	U1	TPS28225DRB	IC, High Frequency 4-Amp MOSFET Driver	QFN	TPS28225DRB	TI
1	U2	UCC2897APW	IC, Current-Mode Active Clamp PWM Controller	PW20	UCC2897APW	Texas Instruments
1	U3	ISO7220MD	IC, DUAL DIGITAL ISOLATORS	SO-8	ISO7220xD	TI
1	U4	TL331DBV	IC, COMPARATOR, DIFFERENTIAL, SINGLE	SOT_23_5 (DBV)	TL331DBV	TI
1	U5	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay
1	U6	TLV431ADBZ	IC, Low-Voltage Adjustable Shunt Regulator	SOT23-3	TLV431AIDBZ	TI

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